

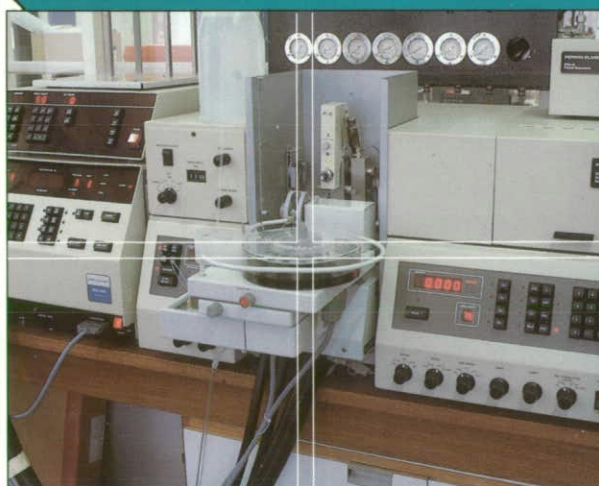
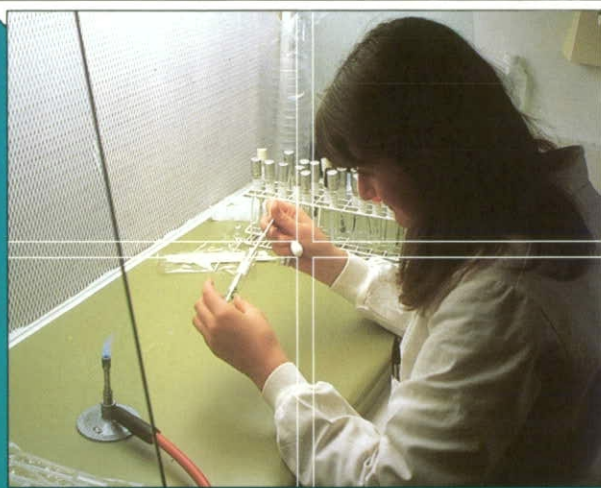
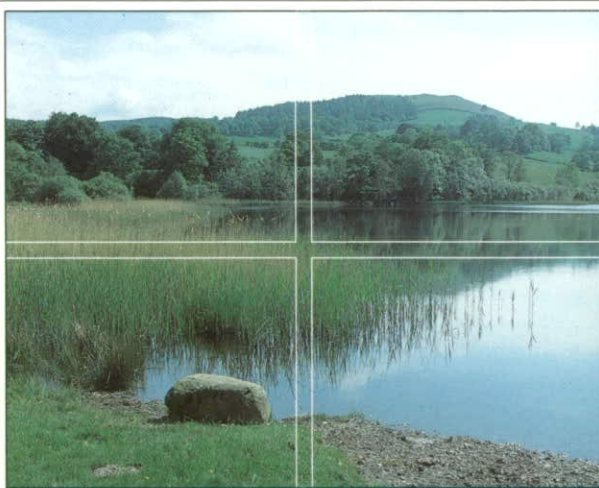


**Institute of
Freshwater
Ecology**

NRA RIVER HABITAT SURVEY 1995 - SURVEY SHEETS ENGLAND AND WALES Part II Site Nos 3300-3797

**F H Dawson PhD CBiol FIBiol; J A B Bass; J H Blackburn BSc;
G D Collett HND; C M Case BSc GIBiol; M de Ville BA; N E Ellis PhD;
N J Grieve BSc; I D M Gunn MSc; I T B Harris MSc; P Henville;
D D Hornby MSc; A Kirika HNC; M D Lane BSc; J J Leach MSc;
D North BA; H G Orr BSc; P Scarlett MSc; J M Winder PhD CBiol MIBiol**

Report To: National Rivers Authority, Bristol
CEH Project No: T04073H4
IFE Report Ref.No: RL/T04073H4/3





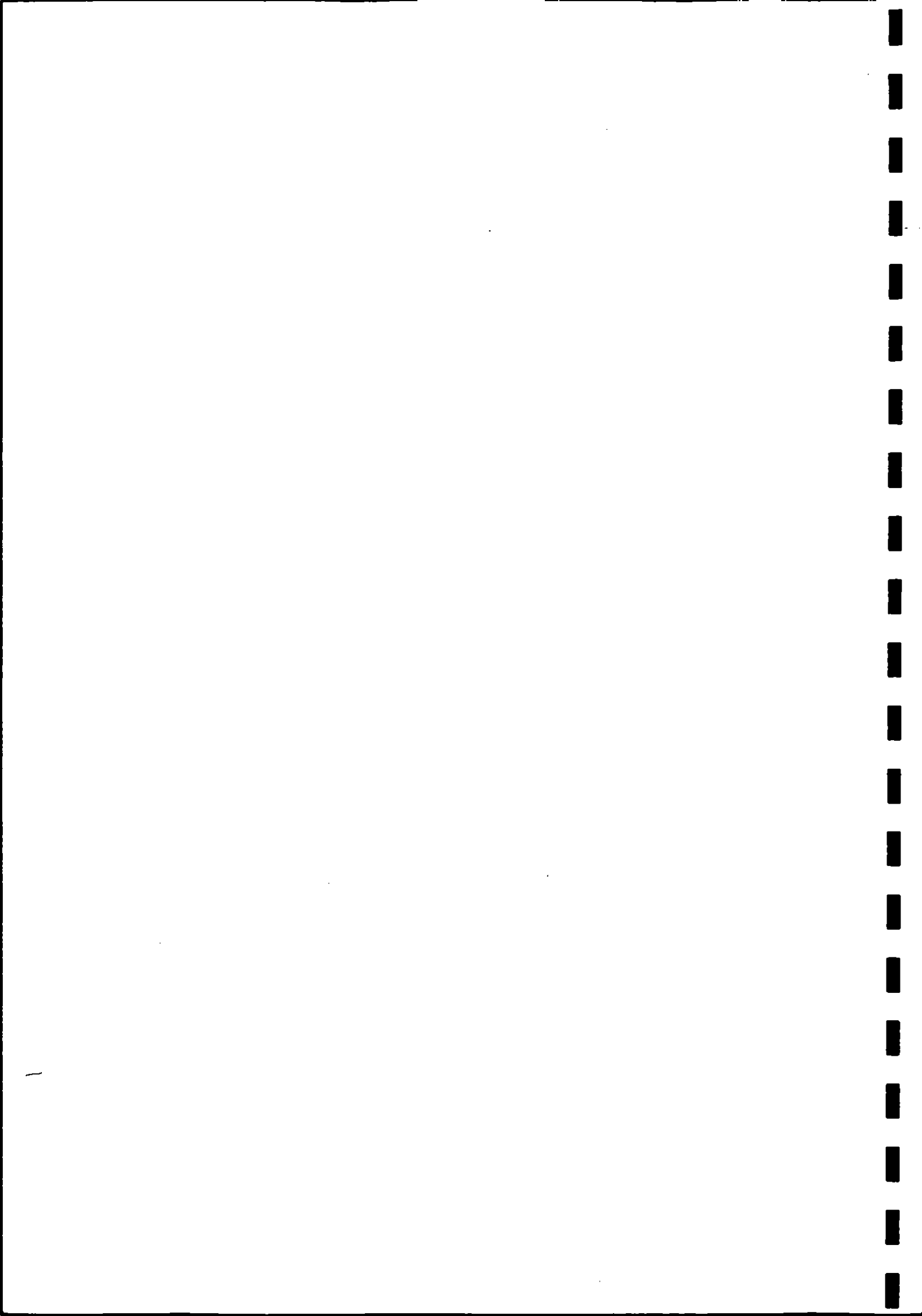
**Institute of
Freshwater
Ecology**

River Laboratory
East Stoke
Wareham
Dorset BH20 6BB

**NRA RIVER HABITAT SURVEY 1995 -
SURVEY SHEETS ENGLAND AND WALES
Part II Site Nos 3300-3797**

**F H Dawson PhD CBiol FIBiol; J A B Bass; J H Blackburn BSc;
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Project Leader: F H Dawson
Report Date: July 1995
Report To: National Rivers Authority, Bristol
CEH Project No: T04073H4
IFE Report Ref.No: RL/T04073H4/3



NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3300
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SE 731262 River: DUSE
Date: 15.5.1995 Time: 13.25 Surveyor name: LEACH/KIRIKA
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + NOTES / EXTRA DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 0 Unvegetated point bars 0
Pools 0 Vegetated point bars 0

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK											
Mat. [*] RD, CO, GS, JA, FE, CL, CC, ST, WP, GA, PJ, RA, JW	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR
Bank modification(s) [*] <input checked="" type="checkbox"/> NO, AL, PL, FC, BM, EN	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1
Bank feature(s) [*] <input checked="" type="checkbox"/> AN, NO, SC, FC, FR, VT, JR, VS	3	6	6	6	6	6	6	6	6	6	6
CHANNEL [*] <input checked="" type="checkbox"/> NO, AL, PL, FC, BM, EN											
Channel substrate [*] <input checked="" type="checkbox"/> AN, RD, CO, GP, JA, FE, CL, CC	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type [*] <input checked="" type="checkbox"/> FF, CH, W, UP, CF, SP, UP, SP, AN, AD	S	S	S	S	S	S	S	S	S	S	S
Channel modification(s) [*] <input checked="" type="checkbox"/> AN, NO, SC, FC, BM, EN	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK
Channel feature(s) [*] <input checked="" type="checkbox"/> NO, RD, CO, GP, JA, FE, CL, CC	N2	N2	N2	N2	N2	N2	N2	N2	N2	N2	N2
RIGHT BANK											
Mat. [*] RD, CO, GS, JA, FE, CL, CC, ST, WP, GA, PJ, RA, JW	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) [*] <input checked="" type="checkbox"/> NO, AL, PL, FC, BM, EN	N2	N2	N2	N2	N2	N2	N2	N2	N2	N2	N2
Bank feature(s) [*] <input checked="" type="checkbox"/> AN, NO, SC, FC, FR, VT, JR, VS	N2	N2	N2	N2	N2	N2	N2	N2	N2	N2	N2

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, BM, SC, SP, WL, GW, NO, TL, SW

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) ^{RP/SC}	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) ^{RP/SC}	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) ^{RP/SC}	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) ^{RP/SC}	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (≥ 33% area) or F (less))

NONE (tick as appropriate) ☒ **FAST GROWER** ☐

Living roots/mosses/lichens											
Emergent broad-leaved herbs											
Emergent reeds/straw/scrub											
Flowering-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

The end 'fast-grower' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

1 BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after striking predominant line			Preached		
			Embedded		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-coalescent	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Banktop height (m)	Water depth (m)
LEFT BANK	2.0	1.0	5	1.0	5	1.0
RIGHT BANK	2.0	1.0	5	1.0	5	1.0

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1F only) ☐

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 1 Ponds = 0
Footbridges = 0 Roadbridges = 1 Other = 0
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☒ Other? State: ☐
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Other (state)
Waterfalls > 2m high	<input type="checkbox"/>	<input type="checkbox"/>
Braided/side channels	<input type="checkbox"/>	<input type="checkbox"/>
Debris dams	<input type="checkbox"/>	<input type="checkbox"/>
Loose debris	<input type="checkbox"/>	<input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) THE LENGTH (m)

Descriptive statement: A LARGE, WIDE AND DEEP (ENTRANCE) RIVER SECTION. AT LOW WATER EXTENSIVE SAND-LIKE BEDS OF LOSS CLAY ARE EXPOSED BELOW THE RIPPLED SUBMERGED BED. LEFT-BANK EMBANKMENT WITH HIGH GRASS BANKS.

Plants of note: ☐

Major conservation features: ☐

Major impacts: ☐

Incidental observations (animals etc): ☐

Is the channel (empty) ☒ FLOWING ☐

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3301

Mid-section grid reference of network site if different from designated location:

COMPLISH THIS FOLLOWING FOR ALL SITES

Grid Reference: SE 815 256 River: UN-NAMED "DITCH"

Date: 15.5.1995 Time: 15.35 Surveyor name: LEACH / KRIVA

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

with site number and date

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + NOTES / EXTER. DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream ☐ downstream ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (make notation of patterns)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK											
Mat. * <i>SL, S, G, CL, F, L, C, CP, SP, ST, GP, BR, AR, SW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	W/P	W/P
Bank modification(s) <i>W, S, P, R, F, C, M, L, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) <i>W, S, P, R, F, C, M, L, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
CHANNEL											
Channel substrate * <i>SL, S, G, CL, F, L, C, CP, SP, ST, GP, BR, AR, SW</i>	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Flow type * <i>IF, A, L, B, W, V, G, R, P, SP, SM, ST, ND</i>	N/P	N/P	N/P	N/P	N/P	N/P	N/P	N/P	N/P	N/P	N/P
Channel modification(s) <i>W, S, P, R, F, C, M, L, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s) <i>W, S, P, R, F, C, M, L, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK											
Mat. * <i>SL, S, G, CL, F, L, C, CP, SP, ST, GP, BR, AR, SW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	W/P	W/P
Bank modification(s) <i>W, S, P, R, F, C, M, L, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) <i>W, S, P, R, F, C, M, L, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, SM, SC, RP, WL, GW, ST, TL, SU

	SC	SL	SC	SC	SC	SC	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) <i>BAUSC</i>	UA	UA	UA	UA	UA	UA	UA	UA	UA	UA
LEFT BANK FACE (structure) <i>BAUSC</i>	UA	UA	UA	UA	UA	UA	UA	UA	UA	UA
RIGHT BANK FACE (structure) <i>BAUSC</i>	UA	UA	UA	UA	UA	UA	UA	UA	UA	UA
RIGHT BANK-TOP (structure within 1m) <i>BAUSC</i>	UA	UA	UA	UA	UA	UA	UA	UA	UA	UA
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (greater))

NONE (tick as appropriate) *W, S, P, R, F, C, M, L, N*

	W	S	P	R	F	C	M	L	N
Upland/mountain/terrace									
Emergent broad-leaved herbs <i>SL, S, G, CL, F, L, C, CP, SP, ST, GP, BR, AR, SW</i>									
Emergent reeds/sedges/rushes <i>SL, S, G, CL, F, L, C, CP, SP, ST, GP, BR, AR, SW</i>									
Flowering (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (use E (≥ 33% banklength) or F (greater))

	L	R	L	R
Broadleaved woodland (BL)				
Wetland (eg bog, marsh, fen) (WL)				
Coniferous plantation (CP)				
Open water (OW)				
Moorland/heath (MH)				
Improved/semi-improved grass (IG)				
Scrub (SC)				
Tilled land (TL)				
Rough pasture (RP)				
Suburban/urban development (SU)				

I BANK PROFILES (use E (≥ 33% banklength) or F (greater))

	L	R	L	R
Natural/unmodified				
Artificial/unmodified				
Vertical/undercut				
Reinforced - whole bank				
Vertical + toe				
Reinforced - toe only				
Slope (> 45°)				
Reinforced - toe only				
Grass				
Artificial two-stage				
Composite				
Peached				
Embanked				
Set-back embankments				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Both	None	Percent E	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

ASSOCIATED FEATURES (Tick one box per feature)

	None	Percent E	Notes
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Percent E	Notes
Waterfalls (> 5m high)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Artificial open water	<input type="checkbox"/>	<input type="checkbox"/>	
Brick/side channels	<input type="checkbox"/>	<input type="checkbox"/>	
Natural open water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Water meadow	<input type="checkbox"/>	<input type="checkbox"/>	
Marsh	<input type="checkbox"/>	<input type="checkbox"/>	
Fen	<input type="checkbox"/>	<input type="checkbox"/>	
Flush	<input type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.5	Banktop height (m)
Banktop width (m)	2.75	Banktop width (m)
Banktop height (m)	0.2	Banktop height (m)
Banktop width (m)	4	Banktop width (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IF only) *SL, S, G, CL, F, L, C, CP, SP, ST, GP, BR, AR, SW*

M ARTIFICIAL FEATURES (Use 111 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Piers = 0

Footbridges = 0 Roadbridges = 0 Other (tick one box) *SL, S, G, CL, F, L, C, CP, SP, ST, GP, BR, AR, SW*

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ 70% ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/side channels	Natural open water
Water meadow	Marsh
Fen	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 111 indicate total number, tick "none" where appropriate)

Ghost Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompt and key words as appropriate) (The sentence(s))

Descriptive sentence: A steep-sided, narrow channel with a high, eroded bank on the left. The channel is a natural feature, but the left bank has been eroded by the river. The channel is a natural feature, but the left bank has been eroded by the river.

Plants of note: The left bank has been eroded by the river. The channel is a natural feature, but the left bank has been eroded by the river.

Major conservation features: The left bank has been eroded by the river. The channel is a natural feature, but the left bank has been eroded by the river.

Major impacts: The left bank has been eroded by the river. The channel is a natural feature, but the left bank has been eroded by the river.

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3302
 Mid-section grid reference of network site (if different from designated location):
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: S 6 0 0 5 2 0 0 (GIVEN) River: MELL RIVER
 S 6 0 0 5 2 0 0 (ACTUAL)
 Date 11.1.1995 Time: 10.15am Surveyor name: A. T. T. A. / L. A. C. I.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bod of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + NOTES / EXTRA DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total numbers)

Riffles ☐ Unvegetated point bars ☐
 Pools ☐ Vegetated point bars ☐

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS: Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK											
Mat. ¹ 12, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) ³ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate ⁴ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type ⁵ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modification(s) ⁶ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s) ⁷ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK											
Mat. ¹ 12, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) ³ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate ⁴ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type ⁵ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modification(s) ⁶ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s) ⁷ 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, HT, SC, AP, WL, CW, H, T, W

	1	2	3	4	5	6	7	8	9	10	ALL
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BANK	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BANK	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BANK	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BANK	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use S (≥ 33% area) or L (less than 33% area))

	1	2	3	4	5	6	7	8	9	10	ALL
NONE (tick as appropriate) PLANT GENERA S											
Live/woody/mosses/lichens											
Emergent broad-leaved herbs											
Emergent reeds/rushes											
Flowering-leaved (rooted)											
Free floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (one E or L)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP: Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or L (less than 33% area))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or L (less than 33% area))

	L	R		L	R
Natural/unmodified			Reinforced		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
Use 5th space to draw profile if different from above, other using predetermined box			Embankment		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	L
None			Shading of channel				
Isolated/scattered			Overhanging boughs				
Regularly spaced, single			Exposed bankside roots				
Occasional clumps			Underwater tree roots				
Semi-continuous			Fallen trees				
Continuous			Coarse woody debris				

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	L
Waterfall(s) - free-fall				
Cascade(s) - chute				
Step/pool sequence				
Rapid(s) - whitewater				
Riffle-pool sequence				
Rune(s) - disturbed, rippled				
Boil(s) - upwellings				
Glide(s) - smooth, no eddies				
Marginal deadwater - slack				
Exposed bedrock				
Exposed boulders				
Unvegetated mid-channel bars				
Vegetated mid-channel bars				
Mature island(s)				
Unvegetated side bars				
Vegetated side bars				

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES: Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop height (m)	0.75	0.75
Banktop width (m)	3.5	3.5
Banktop height (m)	0.75	0.75
Banktop width (m)	3.5	3.5

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) ☐

M ARTIFICIAL FEATURES (Use [H] then indicate total number; tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 1 Outfalls = 1 Ponds = 0
 Footbridges = 0 Roadbridges = 0 Other = 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading ☐ mowing ☒ Other? State:
 Weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/m) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Platform category _____
 Distance from source (m) _____ Significant tributary? _____ Navigation? _____

FIELD SURVEY DETAILS

Reference network site number: **3303**
 Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **TA 068224** River: **THE BECK**
 Date: **9/16/1995** Time: **15:00** Surveyor name: **78.79 PM 16 AK 78m**
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____
 Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) *Site No. m*
 Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave bowl ☐ + notes on 3 dimensions

NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10, then indicate total number)

Riffles: **0** Unvegetated point bars: **0**
 Pools: **0** Vegetated point bars: **0**

DATES head **PAHOLE**

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (On PC, record across channel within a 1m wide zone) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)

Spot check 1 is at: upstream end ☒ of site ☐ downstream ☐

LEFT BANK

Bank material (m) **BE, CO, GL, LA, FE, CL** **EA** **GA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA**
 Bank modification(s) ☒ **NO, AL, PC, M, EN** **NO** **EN** **CM** **CM** **CM** **CM** **CM** **CM** **CM** **CM** **CM**
 Bank feature(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**
 Channel substrate (m) **BE, CO, GL, LA, FE, CL** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1**
 Flow type (m) **FF, CL, M, W, CF, SF, SF, SF, SF, SF** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP**
 Channel modification(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**
 Channel feature(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**

RIGHT BANK

Bank material (m) **BE, CO, GL, LA, FE, CL** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA**
 Bank modification(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**
 Bank feature(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**

BANKTOP LAND USE AND VEGETATION STRUCTURE (In 1m square over a 10m wide point bar)

Land use: choose one from **SL, CP, HO, SC, AP, BL, OV, PL, TL, SU, UN** **TL** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC**
 Land use within 5m of banktop (L) **TL** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC**
 LEFT BANK TOP (structure within 1m) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 LEFT BANK FACE (structure) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 RIGHT BANK FACE (structure) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 RIGHT BANK TOP (structure within 1m) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Land use within 5m of bank top (R) **TL** **SC** **TL** **TL** **TL** **TL** **TL** **TL** **TL** **TL** **TL** **TL**

CHANNEL VEGETATION TYPES (In 1m square over a 10m wide point bar)

None (tick) ☒ Plant species (tick one)

Emergent broad-leaved ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Emergent reed/straw ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Floating-leaved (uproot) ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Free-floating ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Amphibious ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Submerged - broad-leaved ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Submerged - fine-leaved ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Filamentous algae ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**

The end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (see 2 or 3)

PLANTS - Use 1-10 for types of growing *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U*
 + species if possible of *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U*

NRA RIVER HABITAT SURVEY 1995: 500m SWEET SPOT Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Use 1-10, then indicate total number)

LEFT BANK

Bank material (m) **BE, CO, GL, LA, FE, CL** **EA** **GA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA**
 Bank modification(s) ☒ **NO, AL, PC, M, EN** **NO** **EN** **CM** **CM** **CM** **CM** **CM** **CM** **CM** **CM**
 Bank feature(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**
 Channel substrate (m) **BE, CO, GL, LA, FE, CL** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1** **S1**
 Flow type (m) **FF, CL, M, W, CF, SF, SF, SF, SF, SF** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP** **NP**
 Channel modification(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**
 Channel feature(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**

RIGHT BANK

Bank material (m) **BE, CO, GL, LA, FE, CL** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA**
 Bank modification(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**
 Bank feature(s) ☒ **NO, AL, PC, M, EN** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**

BANKTOP LAND USE AND VEGETATION STRUCTURE (In 1m square over a 10m wide point bar)

Land use: choose one from **SL, CP, HO, SC, AP, BL, OV, PL, TL, SU, UN** **TL** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC**
 Land use within 5m of banktop (L) **TL** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC** **SC**
 LEFT BANK TOP (structure within 1m) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 LEFT BANK FACE (structure) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 RIGHT BANK FACE (structure) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 RIGHT BANK TOP (structure within 1m) **BAUSC** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Land use within 5m of bank top (R) **TL** **SC** **TL** **TL** **TL** **TL** **TL** **TL** **TL** **TL** **TL** **TL**

CHANNEL VEGETATION TYPES (In 1m square over a 10m wide point bar)

None (tick) ☒ Plant species (tick one)

Emergent broad-leaved ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Emergent reed/straw ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Floating-leaved (uproot) ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Free-floating ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Amphibious ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Submerged - broad-leaved ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Submerged - fine-leaved ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**
 Filamentous algae ☒ **U** **U** **U** **U** **U** **U** **U** **U** **U** **U** **U**

PLANTS - Use 1-10 for types of growing *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U*
 + species if possible of *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U* *U*

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) **72** **RIGHT BANK**
 Banktop height (m) **3** **Water width (m)** **8** **Banktop height (m)** **1**
 Embankment height (m) **3** **Water depth (m)** **1.5** **Embankment height (m)** **1**

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (if only)

ARTIFICIAL FEATURES (Use 1-10, then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = **1** Weirs = **0** Roadbridges = **1** Outfalls = **0** Fords = **0**
 Is water level controlled by weir/dam/diversion? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ moving ☐ Other? State **none**
 weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) **none**
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (tick one box)

Is 25% or more of the channel choked with vegetation? NO ☐ YES ☒

NOTABLE NURSERY PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State **none**

Descriptive notes: 3 dredged areas, none, embankment on left only - natural channel on right

Plants of note: Callitriche, one, one 90% surface and only one area
 10% surface and one area - left bank river - natural channel on right
 Major conservation features: Wood bank - nests in compact high grass on embankment
 Grass river bank - flood protection
 Major impact: 1.5m deep artificial channel - left bank
 Incidental observations (animals etc): 1.5m deep artificial channel - left bank
 IF 2 or more of the above are present, tick "yes"

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Enquiries supplied! Post completed form for processing - labels supplied separately

P-4942L.TLP-49428.75P-45428.TLP-49428.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number:

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 3310 River: Eagles Brook

Date: 3.8.1995 Time: 9.35 Surveyor name: 110

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 11 3 Unvegetated point bars

Pools 11 2 Vegetated point bars

National Rivers Authority

P-40121 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = can entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ EA, CO, CL, SL, FE, CL, CC, SP, W, GA, JR, AR, JW	EA	CO	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, AR, PC, AR, AR, AR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) AR, NO, EC, AR, AR, AR, AR	NO	NO	SB	NO	EC	NO	SB	NO	NO	NO
CHANNEL										
Channel substrate ¹ IN, EA, CO, CL, SL, FE, CL, CC, SP, W, GA, JR, AR, JW	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type ¹ FF, CH, W, W, CP, AR, SP, SP, SP, NO	RP	RP	CH	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) NO, NO, CL, SL, FE, CL, CC, SP, W, GA, JR, AR, JW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO, NO, AR, JR, AR, JR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ EA, CO, CL, SL, FE, CL, CC, SP, W, GA, JR, AR, JW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, AR, PC, AR, AR, AR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) AR, NO, EC, AR, AR, AR, AR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, HM, SC, RP, RL, GP, H, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	RP	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BL/SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BL/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BL/SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	RP	BL	BL	BL	BL	BL	BL	BL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens ¹ L, L, L, L, L, L, L, L, L, L, L, L										
Emergent broad-leaved herbs ¹ L, L, L, L, L, L, L, L, L, L, L, L										
Emergent reeds/rushes/rubus ¹ L, L, L, L, L, L, L, L, L, L, L, L										
Floating-leaved (percent)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P-40121 TL

SITE NO. 3310 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-steps		
Use this space to draw profile if different from above, after giving predetermined box			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

P-40121 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Banktop height (m)	Water width (m)	Banktop height (m)	Water depth (m)	Enbanked height (m)
	6.05	3.55	0.75	0.75	0.13	0.75

If banklines lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = ☐ Fords =

Is water level controlled by weirs/dam downstream? No ☒ Part of site ☐ Mest/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flysh <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Gently winding stream through open woodland + bedrock outcrops

Plants of note: many wild flowers

Major conservation features: slabbing unmanaged woodland - clear tracks

Major impacts: Sewage works - half way through reach, water becomes black & smelly after outfall.

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (state) ☐

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P-40121 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3311

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Irwell

Date: 31.5.1995 Time: 11.45 Surveyor name: HO

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles: 12 Unvegetated point bars

Pools: 1 Vegetated point bars

National Rivers Authority

P49121.L 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

K PHYSICAL ATTRIBUTES (to be inserted across channel within a 1m wide zone)

Mat. = Material 1 = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	E	A	P	A	S	R	R	R	R	R
Mat. 1	EA	PA	AS	RS	RR	RR	RR	RR	RR	RR
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	SM	UN	RT	RT	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	E	A	P	A	S	R	R	R	R	R
Mat. 1	EA	PA	AS	RS	RR	RR	RR	RR	RR	RR
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CP, SH, SC, SP, ST, SW, TD, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	CU	BL	FL	PL	PL	EL	EL	EL	EL	EL
LEFT BANK TOP (structure within 1m) BA/SC	S	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BA/SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	FL	PL	PL	EL	EL	EL	EL	EL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or L (less area))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

The end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

P49121.L

SITE NO. 3311 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or L if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J BANK PROFILES (Use E (≥ 33% banklength) or L if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after visiting predetermined box			Peaked		
			Embanked		
			Set-back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

L EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Margin(s) 'deadwater' - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

P49121.L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	2.0	Banktop height (m)
Embankment height (m)	2.0	Embankment height (m)

If trichline lower than banktop break in slope, indicate: height (m) 1.0 width (m) 16.0

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☐ Culverts ☐ Weirs ☐ Outfalls ☐ Fords ☐

Footbridges ☐ Roadbridges ☐ Part of site ☐ Mouth/belt of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drooling ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Branded/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fra
	Bag
	Cur
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: 10m high wall along 99% of left bank obscuring river from railway to point of bridge. Old stone bridge on left side in upper reach.

Plants of note: Himalayan Balsam will be extensive in summer

Major conservation features: Woodland

Major impacts: 2m high walls - v. little channel veg - black smelly water

Incidental observations (animals etc): None.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P49121.L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3212

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River:

Date: 2.15.1995 Time: 13.35 Surveyor name: H.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles: 1 Unvegetated point bars

Pools: Vegetated point bars

National Rivers Authority

P4512L 16/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

ML: is Material ☒ or one entry only

LEFT BANK

ML: 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL

Channel substrate: GP GP GP GP GP GP GP GP GP GP

Flow type: SM SM SM SM SM SM SM SM SM SM

Channel modification(s) RS RS RS RS RS RS RS RS RS RS

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

ML: 1 2 3 4 5 6 7 8 9 10

Bank modification(s) RI RI RI RI RI RI RI RI RI RI

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide margin)

Land use: choose one from SL, CP, SW, SC, SF, WL, OW, DS, PL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) RUSAC

LEFT BANK FACE (structure) RUSAC

RIGHT BANK FACE (structure) RUSAC

RIGHT BANK-TOP (structure within 1m) RUSAC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use R (in 33% area) or L (percent))

NONE (tick as appropriate)

Emergent broad-leaved herbs

Emergent cord-riverbeds/herbs

Flowering-leaved (perennial)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filamentous algae

Use end "tail" column for types not occurring in spot checks as well as overall assessment over 500m (use R or L)

P4512L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use R (in 33% banklength) or L (if percent))

Disturbed/undisturbed woodland (DU)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WT)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I. BANK PROFILES (Use R (in 33% banklength) or L (if percent))

Natural/unmodified

Vertical/obscure

Vertical + low

Steep (> 45°)

Gentle

Composite

Artificial/unmodified

Revetment

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Embankment

Sea-bank embankments

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☐ Left ☐ Right ☒

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (tick one box per feature)

E > 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterfall(s) - free-fall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Rus(s) - disturbed, rippled

Boil(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

P4512L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m)

Banktop height (m)

Banktop width (m)

Banktop height (m)

RIGHT BANK

Banktop width (m)

Banktop height (m)

Banktop width (m)

Banktop height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = 6 Outfalls = 0 Ponds =

Feederbridges = 2 Reelbridges =

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☒ Other? State:

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ bog ☐ Other (state):

Brackish/salt channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use L or R)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: Basically unaltered channel through farmland, should have bank reinforcement to be altered to meadow (so flood risk is reduced) but the only improvement on Right Bank is a small channel very close to brown filamentous algae (some green).

Major conservation features: should have reinforcing around, could be checked.

Major impacts: wood pile banking, some overhanging orange silt (iron oxide?).

Incidental observations (animals etc):

S. DISEASED ALDERS (tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 33/3

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Beal

Date 3.17.1995 Time: 8.35 Surveyor name: P.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 1/1 Unvegetated point bars

Pools Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ☐ in one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ REFLECTANCE (CL, CC, SP, SL, SW, GR, BR, W)	BR	BR				EA		EA	EA	EA
Bank modification(s)	RI	RI				RS		RS	RS	RS
Bank feature(s)	NO	NO				NI		NI	NI	NI
CHANNEL										
Channel substrate ¹ REFLECTANCE (CL, CC, SP, SL, SW, GR, BR, W)	GP	GP				GP		GP	GP	GP
Flow type ¹ REFLECTANCE (CL, CC, SP, SL, SW, GR, BR, W)	SM	SM	RP	SM	SM	RP	SM	SM	SM	SM
Channel modification(s)	RS	RS				RS		RS	RS	RS
Channel feature(s)	NO	NO				TR		TR	TR	TR
RIGHT BANK										
Mat. ¹ REFLECTANCE (CL, CC, SP, SL, SW, GR, BR, W)	BR	BR				EA		EA	EA	EA
Bank modification(s)	RI	RI				RS		RS	RS	RS
Bank feature(s)	NO	NO				NI		NI	NI	NI
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from LL, CL, SL, SP, SL, SW, GR, BR, W										
LAND USE WITHIN 5m OF BANKTOP (L)	SH	SH				SH		SH	SH	SH
LEFT BANK-TOP (structure within 1m) RAINC	S	S				S		S	S	S
LEFT BANK FACE (structure) RAINC	U	U				S		S	S	S
RIGHT BANK FACE (structure) RAINC	U	U				S		S	S	S
RIGHT BANK-TOP (structure within 1m) RAINC	C	C				S		S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	CU	CU				BL		BL	BL	BL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or L (percent))										
NONE (tick as appropriate)										
Live/semi-live/deciduous										
Emergent broad-leaved herbs										
Emergent needle-leaved/herbs - "cylind"										
Flowering-leaved (river)										
Tree-herb										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved-leaved										
Filamentous algae (river)	E	E	E	E	E	E	E	E	E	E

P4512.1L 10/5

P4512.1L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or L if percent)

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)	E	E

I BANK PROFILES (Use E (in 33% banklength) or L if percent)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/landcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	E	E
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced + whole bank	E	E
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
Use this space to draw profile if different from above, also indicating preferred box			Poached		
			Embanked		
			Set back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Percent E
None	<input type="checkbox"/>	<input type="checkbox"/>	E > 33%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Percent E		None	Percent E
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - millrace	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Island(s) - upwelling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Right top width (m)	3.55	RIGHT BANK
Banktop height (m)	1.25	Water width (m)	2.25
Banked height (m)	0.35	Water depth (m)	0.35
Banked height (m)		Banktop height (m)	1.25

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (RFR only)

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weir(s) = Outfalls = 1/3 Ponds =

Featherbedges = 0 Bank/bridges = 0 Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dropping ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Isolated/dead channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Pen <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or L)

Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Completely choked reach lower 1/2 with bushes, strong garden vegetation + ornamental plants outside vegetation - houses on site, railway on L/R.

Plants of note: Upper half choked banks, urban paths in right bank, grass and trees mainly mature and symmetrical.

Major conservation feature: Not much to recommend.

Major impacts: Straightening + rechannelled - unbanked upper sections.

Incidental observations (animals etc):

S DISEASED ALDIERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease trees? State:

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3317
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: Calder
Date: 11.5.1995 Time: 10.45 Surveyor name: HD
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	CR	PR	BR	CR	ER	BR	BR	BR	BR	BR
Mat. * BE,JO,CO,GI,LA,LE,CL,CC,FF,ST,GA,HR,RR,BW	R/S	R/S	R/S	R/S	R/S	R/S	R/S	R/S	R/S	R/S
Bank modification(s) NO,RL,RL,FC,M,EN	N	N	N	N	N	N	N	N	N	N
Bank feature(s) BK,NO,FC,SC,FR,VP,JP,VZ	N	N	N	N	N	N	N	N	N	N
CHANNEL										
Channel substrate * NY,BE,JO,CO,GP,JA,RL,CL,AR	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type * IF,CL,FR,UV,CF,RP,VP,JP,JP,NO	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) BK,NO,CF,RL,RL,JA,JO	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) NO,RL,RL,FC,M,EN	TR	NO	N	TR	NO	N	TR	NO	TR	TR
RIGHT BANK	EA	EA	BR	BR	EA	EA	EA	EA	EA	EA
Mat. * BE,JO,CO,GI,LA,LE,CL,CC,FF,ST,GA,HR,RR,BW	RS	RS	R/S	R/S	R/S	R/S	R/S	R/S	R/S	R/S
Bank modification(s) NO,RL,RL,FC,M,EN	N	N	N	N	N	N	N	N	N	N
Bank feature(s) BK,NO,FC,SC,FR,VP,JP,VZ	N	N	N	N	N	N	N	N	N	N
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, HR, SC, RP, NL, OW, JO, TL, SU	BL	TL	SU	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	U	U	U	U	U	U	U	U	U	U
LEFT BANK-TOP (structure within 2m) BUDIC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUDIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUDIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 2m) BUDIC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or G (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/rubus (Phalaris etc)										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

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SITE NO. 3317 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or G if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or G if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)
LEFT BANK	2.5m	4.0m	2.5m
Banktop height (m)	2.5m	2.0m	2.5m
Embanked height (m)	2.5m	2.0m	2.5m
Water depth (m)	2.0m	2.0m	2.0m
If waterline lower than banktop break in slope, indicate: height (m) width(m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFR only)			
M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/> Number of Culverts = Weirs = Roadbridges = Outfalls = 1/2 Fords =			
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>			
N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)			
hedging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State			
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>			
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL			
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)			
Branded/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>			
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>			
Leafy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>			
P. CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q. NOTABLE NUISANCE PLANT SPECIES (Use / or E)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input checked="" type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State			
R. BRIEF DESCRIPTIONS (Use prompts and key words as appropriate)			
Descriptive sentence: Canal enters river upstream, this section still resembles a canal w/ many rapids, except its flowing			
Plants of note:			
Major conservation features:			
Major impacts: Mammals			
Incidental observations (animals etc):			
S. DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State			

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SEND COMPLETED FORM TO HUGH DAWSON, IFR, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 IFE - M-A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3318
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: SE 417195 River: WENT BECK
Date: 30/6/1995 Time: 09:30 Surveyor name: TS, TN PM 16 AK 78
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6/6 m/s 1/6 1/6
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☒ Yes ☐ (tick one box) with S.W. on Board
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes on bank to incision

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE - M-A-A - See 2/4/1995
National Rivers Authority

DATES: Record prepared validated details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at: upstream and downstream of site (tick one)

	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE: Use 1/11 then indicate total number	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (one)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR
RIGHT BANK (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)	Land use: choose one from BE, CP, DM, SC, RP, VE, GW, JO, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or J (present))	Plant genera (tick one)										
NONE (tick)											
Emergent broad-leaved herbs	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP	EP
Emergent narrow-leaved herbs	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Emergent submerged	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Emergent floating-leaved	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use 1/11 then indicate total number, tick 'none' where appropriate

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous woodland (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (S)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)	N	N

J. BANK PROFILES (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Natural/modified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>40°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking pre-determined box			Poached		
			Embanked		
			Set-back embankments		

K. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	NOTE
None				Shading of channel				
Isolated/scattered				Overhanging boughs				
Regularly spaced, single				Exposed bankside roots				
Occasional clumps				Underwater tree roots				
Semi-continuous				Fallen trees				
Continuous				Coarse woody debris				

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	NOTE
Waterfalls - free-fall				Marginal deadwater - silt				
Cascades - chute				Exposed bedrock				
Step/pool sequences				Exposed boulders				
Rapids - whitewater				Unvegetated mid-channel bars				
Riffle-pool sequences				Vegetated mid-channel bars				
Runs - disturbed, rippled				Mature island(s)				
Boils - upwellings				Unvegetated side bars				
Glide(s) - smooth, no eddies				Vegetated side bars				

Have you completed your requests from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.0	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	2.0	Banktop height (m)
Embankment height (m)		Water depth (m)	0.25	Embankment height (m)
If transect lower than banktop break in slope, indicate: height (m)		width (m)		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input checked="" type="checkbox"/> (tick one box) Slope (IFE only)				
M. ARTIFICIAL FEATURES (Use 1/11 then indicate total number, tick 'none' where appropriate)	None <input type="checkbox"/> Number of Culverts = Weirs = Outfalls = Fords =			
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Foot/whole of site <input type="checkbox"/>				
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)	dredging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State: <u> </u>			
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>				
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))	CHANNEL FLOODPLAIN (50m corridor)			
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state): <u> </u>	
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>		
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>		
Leafy debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>		
P. CHOKED CHANNEL (Tick one box)	Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>			
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 then indicate total number, tick 'none' where appropriate)	Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State: <u> </u>			
R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)	Descriptive sentence: <u>lowland ditch - modified, semi-urban, semi-rural</u>			
Plants of note: (see 1/11)				
Major conservation features: <u>some old hedge LWS</u>				
Major impacts: <u>RS sides + dredging - also extensive trash!</u>				
Incidental observations (animals etc): <u> </u>				
IFE 2 channel only by 1/11 then indicate total number				
S. DISEASED ALDERS (Tick one box)	None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State: <u> </u>			
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB				
Envelopes supplied! Post completed form for printing labels supplied				

DATES. heard	prepared	validated	date/initials
1997-01-01			
1997-01-02			
1997-01-03			
1997-01-04			
1997-01-05			
1997-01-06			
1997-01-07			
1997-01-08			
1997-01-09			
1997-01-10			
1997-01-11			
1997-01-12			
1997-01-13			
1997-01-14			
1997-01-15			
1997-01-16			
1997-01-17			
1997-01-18			
1997-01-19			
1997-01-20			
1997-01-21			
1997-01-22			
1997-01-23			
1997-01-24			
1997-01-25			
1997-01-26			
1997-01-27			
1997-01-28			
1997-01-29			
1997-01-30			
1997-01-31			
1997-02-01			
1997-02-02			
1997-02-03			
1997-02-04			
1997-02-05			
1997-02-06			
1997-02-07			
1997-02-08			
1997-02-09			
1997-02-10			
1997-02-11			
1997-02-12			
1997-02-13			
1997-02-14			
1997-02-15			
1997-02-16			
1997-02-17			
1997-02-18			
1997-02-19			
1997-02-20			
1997-02-21			
1997-02-22			
1997-02-23			
1997-02-24			
1997-02-25			
1997-02-26			
1997-02-27			
1997-02-28			
1997-03-01			
1997-03-02			
1997-03-03			
1997-03-04			
1997-03-05			
1997-03-06			
1997-03-07			
1997-03-08			
1997-03-09			
1997-03-10			
1997-03-11			
1997-03-12			
1997-03-13			
1997-03-14			
1997-03-15			
1997-03-16			
1997-03-17			
1997-03-18			
1997-03-19			
1997-03-20			
1997-03-21			
1997-03-22			
1997-03-23			
1997-03-24			
1997-03-25			
1997-03-26			
1997-03-27			
1997-03-28			
1997-03-29			
1997-03-30			
1997-03-31			
1997-04-01			
1997-04-02			
1997-04-03			
1997-04-04			
1997-04-05			
1997-04-06			
1997-04-07			
1997-04-08			
1997-04-09			
1997-04-10			
1997-04-11			
1997-04-12			
1997-04-13			
1997-04-14			
1997-04-15			
1997-04-16			
1997-04			

PLANTS - No 1st 4 letters A means in Potatoes negative

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS To be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Banktop width (m)	5.0	RIGHT BANK	
Banktop height (m)	3.5	Water width (m)	1.0	Banktop height (m)	3.5
Embarked height (m)		Water depth (m)	0.0	Embarked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1-7 indicate total number, add "none" where appropriate)

None <input checked="" type="checkbox"/>	Number of Culverts = _____	Weirs = _____	Outfalls = _____	Furds = _____
	Footbridges = 1	Roadbridges = _____	Oders = _____	

Is water level controlled by weirs/furds downstream? No ☒ Part of site ☐ Most/w/ hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other ? State _____
wed-cutting <input type="checkbox"/>	embankment <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (5%a corridor)		
Waterside > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Big <input type="checkbox"/>	Other (state) _____
Braked/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fish <input type="checkbox"/>	Flood <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-8, right-hand side)

Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Aquatic Knotweed <input type="checkbox"/>	Other ? State _____
--	---	---	---------------------

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) The Section(s) _____

Descriptive features: lowland, reseeded, uniform agricultural ditch.

Plants of note (see list): 100 trees.

Major conservation features: > Virginia water at time of survey.

Major impacts: RS (steep) both banks.

Incidental observations (animals etc.): Badger set in baric (RIS), but no sign survey reach.

IF 3 channel sample taken (if filled) _____

S DISBURSED ALDERS (Tick one box) _____

None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other (describe tree) _____	State _____
--	----------------------------------	------------------------------------	-----------------------------	-------------

SEND COMPLETED FORM TO: DUCH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Embaysing verified. Post completed time for running labels suggested.

DATE. heard	named	initialed	date/line checked
-------------	-------	-----------	-------------------

PLANTS - Use 1st 4 bulbs of Grains of Pota, & Potanogon & 1
+ species if possible of Pota part & Potanogon part.

Have you completed your expenses for this week? (send to FND for signature!)

SEND COMPLETED FORM TO: HUGH DAWSON IFF RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6RN

NRA RIVER HABITAT SURVEY 1995: IFE P-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3323
 Mid-section grid reference of network site if different from designated location: IFE

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML
 Grid Reference: SE 904125 River: WINTERTON BECK
 Date: 10/3/1995 Time: 09:30 Surveyor name: CC ML
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with site map!
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl + notes on floodplain

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 IFE - (m) - See notes (p. 1)

National Rivers Authority

Notes: head
 framed
 white
 labels

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Mat. BE,BO,CO,GE,LE,FE,CL,CC,JP,WP,GA,RR,BW	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
Bank modification(s) NO,AL,JC,BM,EM										
Bank feature(s) NO,NO,EC,SC,JP,JP,SE,VE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE Use same scale as adjacent spot checks										
Channel substrate (one) NY,BE,BO,CO,CP,SL,SL,CL,AR	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type (one) FT,CL,SW,WF,CP,AP,UP,SL,JP,NO	UP	UP	UP	UP	UP	UP	UP	UP	UP	UP
Channel modification(s) NO,NO,AL,JC,BM,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO,NO,AR,TR,AL,TR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Mat. BE,BO,CO,GE,LE,FE,CL,CC,JP,WP,GA,RR,BW	FE	FE	FE	FE	FE	FE	FE	FE	FE	FE
Bank modification(s) NO,AL,JC,BM,EM										
Bank feature(s) NO,NO,EC,SC,JP,JP,SE,VE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SH, SC, SP, WL, OW, NO, TL, TU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BAUSC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
LEFT BANK FACE (structure) BAUSC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
RIGHT BANK FACE (structure) BAUSC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
RIGHT BANK-TOP (structure within 1m) BAUSC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick)										
Submerged mosses/silicates										
Emergent broad-leaved herbs										
Emergent reeds										
Emergent rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filament, algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1st 4 letters of genus or Latin stem + species if possible eg *Potamogeton* *potamogeton*

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	Notes
None				Shading of channel				
Isolated/scattered				Overhanging boughs				
Regularly spaced, single				Exposed bankside roots				
Occasional clumps				Underwater tree roots				
Semi-coalescent				Fallen trees				
Continuous				Coarse woody debris				

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes		None	Present	E	Notes
Waterfall(s) - free-fall					Impinged deadwater - silt				
Cascade(s) - chute					Exposed bedrock				
Step/pool sequence					Exposed boulders				
Rapid(s) - whitewater					Unvegetated mid-channel bars				
Riffle-pool sequence					Vegetated mid-channel bars				
Road(s) - disturbed, rippled					Mature island(s)				
Boil(s) - upwellings					Unvegetated side bars				
Slide(s) - smooth, no adhesion					Vegetated side bars				

Have you completed your entries for this week? (send to FWD for signature!)

P-4121-2L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Backstop width (m)	5.5	RIGHT BANK
Backstop height (m)	1.5	Water width (m)	1.5
Embanked height (m)	0.25	Water depth (m)	0.25
If trilline lower than banktop break in slope, indicate: height (m) 0.75 width (m) 8.5			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input checked="" type="checkbox"/> (tick one box) Slope (IFE only)			

M ARTIFICIAL FEATURES (Use 1/1 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Outfalls = ☐ Fords = ☐
 Footbridges = ☐ Roadbridges = ☐ Other = ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: ☐
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): ☐
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: 1m wide channel in agricultural land.
 Plants of note: some grass, some small willows in channel
 Major conservation features: ES bank + 10m wide strip, near road
 Incidental observations (animals etc): water vole
 IFE channel only ☒ IFE bank only ☐ IFE area only ☐

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORM TO JUDITH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for forwarding. Labels supplied.

P-4121-2L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope(m/km) Flow category (1-10)

Soil geology code Drift geology code Platform category

Distance from source(m) Significant tributary? Navigation?

II FIELD SURVEY DETAILS

Reference network site number: 3331

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Whitham Brook

Date 2.12.1995 Time: 17.30 Surveyor name: E.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorgo ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Rifles 1/2 17 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P4512 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

3331

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Mo. = Material ☐ in one entry only

	1	2	3	4	5	6	7	8	9	10										
LEFT BANK																				
Mo. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA										
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO										
Bank failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO										
CHANNEL																				
Channel substrate	GP	GS	GS	GP	GS	GP	GS	GS	GS	GS										
Flow type	RP	SP	SP	SP	SP	SP	SP	SP	SP	SP										
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO										
Channel failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO										
RIGHT BANK																				
Mo. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA										
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO										
Bank failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO										
	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	8A	8B	9A	9B	10A	10B
LAND USE WITHIN 5m OF BANKTOP (L)	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	8A	8B	9A	9B	10A	10B
LEFT BANK TOP (structure within 1m) ENUC	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	8A	8B	9A	9B	10A	10B
LEFT BANK FACE (structure) ENUC	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	8A	8B	9A	9B	10A	10B
RIGHT BANK TOP (structure within 1m) ENUC	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	8A	8B	9A	9B	10A	10B
RIGHT BANK FACE (structure) ENUC	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	8A	8B	9A	9B	10A	10B
LAND USE WITHIN 5m OF BANK TOP (R)	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	8A	8B	9A	9B	10A	10B
Living/deciduous/evergreen																				
Emergent broad-leaved herbs																				
Emergent reeds/rushes																				
Flowering-leaved (reeds)																				
Free-floating																				
Amphibious																				
Submerged broad-leaved																				
Submerged fine/linear-leaved																				
Filamentous algae																				

P4512 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

III LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or I if present)

	L	R		L	R
Broadleaved woodland (BT)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CT)			Open water (OW)		
Moored/heath (MH)			Improved/improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J BANK PROFILES (Use E (2-3% banklength) or I if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undrained			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use the sketch to show profile if different from above, after taking predetermined box			Poached		
			Embanked		
			Set back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right		None	Present II
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-confiscuous			Fallen trees		
Continuous			Coarse woody debris		

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present II
Waterfall(s) - freefall		
Cascades(s) - chute		
Step/pool sequence		
Rapid(s) - whitewater		
Riffle-pool sequence		
Rune(s) - disturbed, rippled		
Boil(s) - upwellings		
Glide(s) - smooth, no eddies		
Marginal deadwater - slack		
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bars		
Vegetated mid-channel bars		
Mature island(s) (e.g. dwarf shrubs)		
Unvegetated side bars		
Vegetated side bars		

L EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present II
Waterfall(s) - freefall		
Cascades(s) - chute		
Step/pool sequence		
Rapid(s) - whitewater		
Riffle-pool sequence		
Rune(s) - disturbed, rippled		
Boil(s) - upwellings		
Glide(s) - smooth, no eddies		
Marginal deadwater - slack		
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bars		
Vegetated mid-channel bars		
Mature island(s) (e.g. dwarf shrubs)		
Unvegetated side bars		
Vegetated side bars		

P4512 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banking height (m)	Banking width (m)	Water width (m)	Banktop height (m)	Banktop width (m)
Left Bank	1.25	2.5	2.5	1.25	2.5
Right Bank	1.25	2.5	2.5	1.25	2.5

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFR only)

M ARTIFICIAL FEATURES (Use 1/2 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Feeds =

Footbridges = Rebuildings = Put of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: straightening

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high		Artificial open water		Bag
Brashed/side channels		Natural open water		Cut
Debris dams		Water meadow		Marsh
Leafy debris		Fen		Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/2 or E)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Bar at 100m is to regular despite efforts by farmer to straighten it, last straightening 5 yrs ago, river already recovering

Plants of note: *Potamogeton amplifolius*, *Salix* (leaves) some willows.

Major conservation features:

Major impacts: silt & straightening

Incidental observations (animals etc):

water voles, water butch

S DISORDERED ALBERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disorder trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P4512 TL

NRA RIVER HABITAT SURVEY 1995

Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3332

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Tare

Date 3.1.1995 Time: 10.25 Surveyor name: H.O.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ termed valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 1 (2) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P45/12.1L 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide count)

1 2 3 4 5 6 7 8 9 10

LEFT BANK

Mat. = Material ☐ = non entry only

Bank modification(s) NO NO R1 R1 NO NO R1 R1 R1 R1

Bank features(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL

Channel substrate ☐ NO NO NO NO NO NO NO NO NO NO

Flow type ☐ RP RP RP RP RP RP RP RP RP RP

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel features(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Mat. = Material ☐ = non entry only

Bank modification(s) NO NO R1 R1 NO NO R1 R1 R1 R1

Bank features(s) NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide number)

Land use: choose one from SL, CP, MH, SC, RP, VL, OR, RS, SL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP structure within 1m: B100C

LEFT BANK PACE (structure): B100C

RIGHT BANK PACE (structure): B100C

RIGHT BANK-TOP structure within 1m: B100C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (to 33% area) or L (green))

NONE (tick as appropriate)

Liverworts/mosses/lichens ☒

Emergent broad-leaved herbs ☒

Emergent reeds/sedges/rushes ☒

Floating-leaved (rooted) ☒

Free-floating ☒

Amphibious ☒

Submerged broad-leaved ☒

Submerged fine-leaved ☒

Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (one E or L)

P45/12.1L

SITE NO. 3332 NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP

Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E for 33% banklength) or L if present

L R

Broadleaved woodland (all) ☒ Wetland (eg bog, marsh, fen) (W1)

Coniferous plantation (CP) ☒ Open water (OW)

Moorland/heath (MH) ☒ Improved/heath-improved grass (IG)

Scrub (SC) ☒ Tilled land (TL)

Rough pasture (RP) ☒ Suburban/urban development (SU)

I BANK PROFILES (Use E for 33% banklength) or L if present

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ Resectioned ☒

Vertical + toe ☒ Reinforced - whole bank ☒

Steep (> 45°) ☒ Reinforced - top only ☒

Gentle ☒ Reinforced - toe only ☒

Composite ☒ Artificial two-stage ☒

Use this space to draw profile of different from above, after ticking predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☒

Continuous ☒

ASSOCIATED FEATURES (Tick one box per feature)

E > 33% ☐ None ☐ Present ☐

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☒

Underwater tree roots ☒

Fallen trees ☒

Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ None ☐ Present ☐

Cascade(s) - close ☒

Step/pool sequence ☒

Rapid(s) - whitewater ☒

Riffle-pool sequence ☒

Run(s) - disturbed, rippled ☒

Boil(s) - upwellings ☒

Glide(s) - smooth, no eddies ☒

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

P45/12.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES

Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 10.9m

Banking height (m) 1.35

Water width (m) 10.9m

Banking height (m) 1.35

Water depth (m) 0.3m

Banking height (m) 1.35

Banking height (m) 1.35

If top-line lower than banktop back in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1H:1V) only

M ARTIFICIAL FEATURES (Use 1-11 for total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = 1 Roadbridges = Outfalls = 11

Is water level controlled by weirs/dams/downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Credging ☐ mowing ☒ Other? State:

Wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☒ Beg ☐ Other (state):

Brashed/wide channels ☐ Natural open water ☐ Carr ☐

Dubris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flomb ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or L)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State: Rhododendron...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: empurated river running alongside canal on right bank house nearby

Major observation features: Canal classified in landuse as SU - canal more than 5m away

Plants of note: SU refers to canal path.

Major impacts: Canal.

Incidental observations (animals etc): stone loach, trout.

S DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, B120 6EB

P45/12.1L

NRA RIVER JAMATAT SURVEY 1995 *USE P.A.A* Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3333

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SE 085034 River: HALL DIKE

Date: 4.7.1995 Time: 17.00 Surveyor name: TH. TH. PH. LAK TON
(write full name) 66 MLE 110 (110) P-2

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

End of river visible? No ☐ partially ☐ entirely ☒ (pick one box)

Photograph general character? No ☐ Yes ☒ (pick one box) not a good one!
(Detailed - reflect on the quality of features) Good

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (pick as appropriate)

C PREDOMINANT VALLEY FORM (pick one box only)

☒ shallow vee (in meanders) ☐ terraced valley floor

☒ deep vee lower 's' ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes on the sketch

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [11] then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

IFG - M.D - See page 12/13

National Rivers Authority

DATES. Record

paired

2017-18

data base

[illegible]

PLANTS - Use 1st 4 letters of genus & Potassium nitrogen
+ species if possible e.g. Pot. sect & Potassium section

Repeat I

SITE NO. <u>2333</u> NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP		Page 3 of 4	
II LAND USE WITHIN 50m OF BANKTOP: Use E (in 31% banktop) or J if present			
	L	R	
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP)			Open water (OW)
Moorland/heath (MH)	E	E	Improved/reed-improved grass (IG)
Scrub (SC)			Tilled land (TL)
Rough pasture (RP)			Suburban/urban development (SU)

J BANK PROFILES: Use E (in 31% banktop) or J if present

Natural/unmodified	L	R	Artificially modified	L	R
Vertical/barecut			Revetted		
Vertical + toe			Reinforced - whole bank		
Sloap (> 45°)		E	Reinforced - top only		
Groble			Reinforced - toe only		
Composite			Artificial two-stage		
Use 2's system to draw profile if different from above, after adding preferential flow			Poached		
			Embarked		
			Spill-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per level)				ASSOCIATED FEATURES (Tick one box per feature)			
None	Low	Right	Way/E	E & 31%	None	Present H	Not VB
Isolated/barecut	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ocasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Exposed barkless roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small conifers	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conifers	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

	None	Present H		None	Present H	Not VB
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cataract(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bail(s) - swellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your expenses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS To be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK	Banktop width (m)	0.5	RIGHT BANK	
Banktop height (m)	Water width (m)	1.3	Banktop height (m)	0.25
Embedded height (m)	Water depth (m)	1.3	Embedded height (m)	

If trailline lower than banktop break in slope, indicate: height (m) $1/3$ width (m) $1/3$

Bed material at site is: ☐ consolidated (temporarily) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ pick one box Slope (IFE only) 20%

M ARTIFICIAL FEATURES (Use 1 to indicate total number, pick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Part of site ☐ Mouth/belt of site ☐

Is water level controlled by weirs/dams downstream? No ☒ Yes ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drudging ☐ mowing ☐ Other ? State
weed-cutting ☐ embankment ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bag <input type="checkbox"/>	Other (state)
Branded/ride channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Core <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flats <input type="checkbox"/>	

F CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES: One or More Giant Hogweed Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Dry meadow streamlet.

Plants of note (see list)

Major conservation features: Open water.

Major impacts:

Incidental observations (animals etc):

IF 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100 or 101 or 102 or 103 or 104 or 105 or 106 or 107 or 108 or 109 or 110 or 111 or 112 or 113 or 114 or 115 or 116 or 117 or 118 or 119 or 120 or 121 or 122 or 123 or 124 or 125 or 126 or 127 or 128 or 129 or 130 or 131 or 132 or 133 or 134 or 135 or 136 or 137 or 138 or 139 or 140 or 141 or 142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 152 or 153 or 154 or 155 or 156 or 157 or 158 or 159 or 160 or 161 or 162 or 163 or 164 or 165 or 166 or 167 or 168 or 169 or 170 or 171 or 172 or 173 or 174 or 175 or 176 or 177 or 178 or 179 or 180 or 181 or 182 or 183 or 184 or 185 or 186 or 187 or 188 or 189 or 190 or 191 or 192 or 193 or 194 or 195 or 196 or 197 or 198 or 199 or 200 or 201 or 202 or 203 or 204 or 205 or 206 or 207 or 208 or 209 or 210 or 211 or 212 or 213 or 214 or 215 or 216 or 217 or 218 or 219 or 220 or 221 or 222 or 223 or 224 or 225 or 226 or 227 or 228 or 229 or 230 or 231 or 232 or 233 or 234 or 235 or 236 or 237 or 238 or 239 or 240 or 241 or 242 or 243 or 244 or 245 or 246 or 247 or 248 or 249 or 250 or 251 or 252 or 253 or 254 or 255 or 256 or 257 or 258 or 259 or 260 or 261 or 262 or 263 or 264 or 265 or 266 or 267 or 268 or 269 or 270 or 271 or 272 or 273 or 274 or 275 or 276 or 277 or 278 or 279 or 280 or 281 or 282 or 283 or 284 or 285 or 286 or 287 or 288 or 289 or 290 or 291 or 292 or 293 or 294 or 295 or 296 or 297 or 298 or 299 or 300 or 301 or 302 or 303 or 304 or 305 or 306 or 307 or 308 or 309 or 310 or 311 or 312 or 313 or 314 or 315 or 316 or 317 or 318 or 319 or 320 or 321 or 322 or 323 or 324 or 325 or 326 or 327 or 328 or 329 or 330 or 331 or 332 or 333 or 334 or 335 or 336 or 337 or 338 or 339 or 340 or 341 or 342 or 343 or 344 or 345 or 346 or 347 or 348 or 349 or 350 or 351 or 352 or 353 or 354 or 355 or 356 or 357 or 358 or 359 or 360 or 361 or 362 or 363 or 364 or 365 or 366 or 367 or 368 or 369 or 370 or 371 or 372 or 373 or 374 or 375 or 376 or 377 or 378 or 379 or 380 or 381 or 382 or 383 or 384 or 385 or 386 or 387 or 388 or 389 or 390 or 391 or 392 or 393 or 394 or 395 or 396 or 397 or 398 or 399 or 400 or 401 or 402 or 403 or 404 or 405 or 406 or 407 or 408 or 409 or 410 or 411 or 412 or 413 or 414 or 415 or 416 or 417 or 418 or 419 or 420 or 421 or 422 or 423 or 424 or 425 or 426 or 427 or 428 or 429 or 430 or 431 or 432 or 433 or 434 or 435 or 436 or 437 or 438 or 439 or 440 or 441 or 442 or 443 or 444 or 445 or 446 or 447 or 448 or 449 or 450 or 451 or 452 or 453 or 454 or 455 or 456 or 457 or 458 or 459 or 460 or 461 or 462 or 463 or 464 or 465 or 466 or 467 or 468 or 469 or 470 or 471 or 472 or 473 or 474 or 475 or 476 or 477 or 478 or 479 or 480 or 481 or 482 or 483 or 484 or 485 or 486 or 487 or 488 or 489 or 490 or 491 or 492 or 493 or 494 or 495 or 496 or 497 or 498 or 499 or 500 or 501 or 502 or 503 or 504 or 505 or 506 or 507 or 508 or 509 or 510 or 511 or 512 or 513 or 514 or 515 or 516 or 517 or 518 or 519 or 520 or 521 or 522 or 523 or 524 or 525 or 526 or 527 or 528 or 529 or 530 or 531 or 532 or 533 or 534 or 535 or 536 or 537 or 538 or 539 or 540 or 541 or 542 or 543 or 544 or 545 or 546 or 547 or 548 or 549 or 550 or 551 or 552 or 553 or 554 or 555 or 556 or 557 or 558 or 559 or 560 or 561 or 562 or 563 or 564 or 565 or 566 or 567 or 568 or 569 or 570 or 571 or 572 or 573 or 574 or 575 or 576 or 577 or 578 or 579 or 580 or 581 or 582 or 583 or 584 or 585 or 586 or 587 or 588 or 589 or 590 or 591 or 592 or 593 or 594 or 595 or 596 or 597 or 598 or 599 or 600 or 601 or 602 or 603 or 604 or 605 or 606 or 607 or 608 or 609 or 610 or 611 or 612 or 613 or 614 or 615 or 616 or 617 or 618 or 619 or 620 or 621 or 622 or 623 or 624 or 625 or 626 or 627 or 628 or 629 or 630 or 631 or 632 or 633 or 634 or 635 or 636 or 637 or 638 or 639 or 640 or 641 or 642 or 643 or 644 or 645 or 646 or 647 or 648 or 649 or 650 or 651 or 652 or 653 or 654 or 655 or 656 or 657 or 658 or 659 or

Envelopes supplied! Post completed files for processing. Labels supplied as requested.

Envelopes supplied! Post related films for processing - labels supplied + stamps

NRA RIVER HABITAT SURVEY 1995: IFE, P-1-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Fluvial category
Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: **3334**
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: **SE 121037** River: **RAVASTEN CLOAK**
Date: **11.7.1995** Time: **2.15** Surveyor name: **TS, JN, PH, LAK, 78**
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: **176**
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) **176**
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles ☐ Unvegetated point bars ☐
Pools **33** Vegetated point bars ☐
IFE - m.s. - see notes 176, 177

National Rivers Authority

DATES: record
1-10-1995

named

valley

shallow

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☒ Unvegetated point bars ☐ Vegetated point bars ☐

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (4) (Mark position) (tick one)

Spot check 1 is an upstream and 10 is downstream (tick one)

	1	2	3	4	5	6	7	8	9	10	Notes
Left bank (structure)	CO	CO	CO	PE	CO	PE	CO	CO	CO	PE	
Bank material (fine)	CO	CO	CO	PE	CO	PE	CO	CO	CO	PE	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel note (use notes/other features)	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO	
Channel substrate (fine)	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO	
Flow type (fine)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Right bank (structure)	CO	CO	CO	PE	CO	PE	CO	CO	CO	PE	
Bank material (fine)	CO	CO	CO	PE	CO	PE	CO	CO	CO	PE	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CA, H, IC, R, NL, OW, M, IL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
LEFT BANK-TOP (structure within 1m)	S	S	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure)	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U	U

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (to 33% area) or F (percent))

NONE (tick)	Plant species (tick one)	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	Liverwort										
<input type="checkbox"/>	Emergent broad-leaved										
<input type="checkbox"/>	Emergent reeds										
<input type="checkbox"/>	Flowering leaves										
<input type="checkbox"/>	Free-floating										
<input type="checkbox"/>	Amphibious										
<input type="checkbox"/>	Submerged broad-leaved										
<input type="checkbox"/>	Submerged fine-leaved										
<input type="checkbox"/>	Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick in relevant boxes with one entry: use E (to 33% area) or F (percent)
+ species if possible of Potamogeton pectinatus

Repeat 1

SITE NO. **3334** NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 10m OF BANKTOP (tick E (to 33% banklength) or F (percent))

	L	R	L	R
Broadleaf/woodland (BL)				
Coniferous plantation (CP)				
Moorsland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Improved/best-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

I. BANK PROFILES (tick E (to 33% banklength) or F (percent))

	L	R	Notes	L	R
Natural/unmodified					
Vertical/undercut					
Vertical + toe					
Steep (> 45°)					
Ox-bow					
Composite					
Recessed					
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Artificial two-stage					
Pointed					
Embanked					
Set-back embankments					

J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)	Left	Right	Notes	Associated features (tick one box per feature)	None	Present	Notes
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-continuous				Fallen trees			
Continuous				Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfalls - free-fall				Marginal deadwater - silt			
Waterfalls - chute				Exposed bedrock			
Step-pool sequences				Exposed boulders			
Rapids - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequences				Vegetated mid-channel bars			
Pools - disturbed, rippled				Marsh island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

Have you completed your responses for this week? (send to PWD for signature)
+NB Scissors = end of bedrock (shale?) thin & angular.

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2.5	RIGHT BANK
Banktop height (m)	0.5	Water width (m)	2.0
Embanked height (m)	0.5	Water depth (m)	0.5
Banktop height (m)	0.5	Embanked height (m)	0.5

If bankline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (temporarily) ☐ unconsolidated (poorly) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (tick one box per feature, tick 'none' where appropriate)

None ☐ Number of Culverts = **2** (1st 3rd 5th) Weirs = **2** (1st 3rd 5th) Fords = **2** (1st 3rd 5th)
Feetbridges = **2** (1st 3rd 5th) Roadbridges = **2** (1st 3rd 5th) Other = **2** (1st 3rd 5th)
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Yes ☐ (tick one box)
Is water level controlled by weir/dam upstream? No ☐ Part of site ☐ Yes ☐ (tick one box)

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ moving ☐ Other? ☐ **Stake**
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Reg	Other (note)
Waterfalls > 5m high			
Artificial open water			
Brick/drain channels			
Natural open water			
Water meadow			
Debris dams			
Pen			
Flora			

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box per species)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐ **Stake**

R. BRIEF DESCRIPTION (tick appropriate box(es))

Descriptive statements: **1st** **2nd** **3rd** **4th** **5th** **6th** **7th** **8th** **9th** **10th**
Plants of note (see 10) **1st** **2nd** **3rd** **4th** **5th** **6th** **7th** **8th** **9th** **10th**
Major conservation features: **1st** **2nd** **3rd** **4th** **5th** **6th** **7th** **8th** **9th** **10th**
Major impacts: **1st** **2nd** **3rd** **4th** **5th** **6th** **7th** **8th** **9th** **10th**
Incidental observations (animals etc):

S. DISEASED ALGAE (tick one box)

None ☐ Present ☐ Extensive ☐ Other (disease name) **Stake**

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRIMAH, NSW 2380
Envelopes supplied! Post completed form for forwarding. Labels supplied separately.

Page 99249678-75P49428.TLP-496CL.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3337

Mid-section grid reference of network site (if different from designated location):

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: River: J203 ne

Date 19.5.1995 Time: 10.42 Surveyor name: JH

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ left ☐ right

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 1 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box) R 1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 7m wide zone)

Mat. = Material (1 = one entry only)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, 1R, 2L, 2R, 3L, 3R, 4L, 4R, 5L, 5R, 6L, 6R, 7L, 7R, 8L, 8R, 9L, 9R, 10L, 10R

	1L	1R	2L	2R	3L	3R	4L	4R	5L	5R	6L	6R	7L	7R	8L	8R	9L	9R	10L	10R
LAND USE WITHIN 5m OF BANKTOP (L)	1L	1R	2L	2R	3L	3R	4L	4R	5L	5R	6L	6R	7L	7R	8L	8R	9L	9R	10L	10R
LEFT BANK-TOP (structure within 1m)	1L	1R	2L	2R	3L	3R	4L	4R	5L	5R	6L	6R	7L	7R	8L	8R	9L	9R	10L	10R
LEFT BANK FACE (structure)	1L	1R	2L	2R	3L	3R	4L	4R	5L	5R	6L	6R	7L	7R	8L	8R	9L	9R	10L	10R
RIGHT BANK-TOP (structure within 1m)	1R	1L	2R	2L	3R	3L	4R	4L	5R	5L	6R	6L	7R	7L	8R	8L	9R	9L	10R	10L
RIGHT BANK FACE (structure)	1R	1L	2R	2L	3R	3L	4R	4L	5R	5L	6R	6L	7R	7L	8R	8L	9R	9L	10R	10L
LAND USE WITHIN 5m OF BANK TOP (R)	1R	1L	2R	2L	3R	3L	4R	4L	5R	5L	6R	6L	7R	7L	8R	8L	9R	9L	10R	10L

G. CHANNEL VEGETATION TYPES (fill in reference boxes with one entry; use E (≥ 33% area) or F (green))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use 1-11 then indicate total number)

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

I. BANK PROFILES (Use 1-11 then indicate total number; tick 'none' where appropriate)

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut					
Vertical + toe					
Steep (> 45°)					
Gentle					
Composite					
Use this space to draw profile of different bank above, after ticking predetermined box					
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Artificial two-stage					
Reinforced					
Embanked					
Soil-bank embankments					

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			E ≥ 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present E
Waterfall(s) - free-fall			Marginal deadwater - silt	
Cascades(s) - chute			Exposed bedrock	
Step/pool sequence			Exposed boulders	
Rapid(s) - whitewater			Unvegetated mid-channel bars	
Riffle-pool sequence			Vegetated mid-channel bars	
Run(s) - disturbed, rippled			Mature island(s)	
Built(s) - upwellings			Unvegetated side bars	
Glide(s) - smooth, no eddies			Vegetated side bars	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Backstop width (m)	Right Bank
Backstop height (m)	2.25	14.75	2.25
Water width (m)		13.25	
Banktop height (m)		0.27	
Embedded height (m)			

If trushline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1:FE only)

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number; tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State: ☐

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Ring	Other (state)
Waterfalls > 5m high	Artificial open water		
Brashed/side channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Fen		

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive statement: only straightened meandering river, considerable silt and mud have been dredged in recent years, although bed is still of the original, probably mostly gravel, pebbles with some large boulders. Channel is very narrow.

Major conservation features: little large of old. Channel is very narrow.

Major impacts: left - riffles & pools are exposed?

Incidental observations (animals etc): eight - grass, reeds & associated young trees, sycamore, birch, hawthorn & willow, poplar.

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3338
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: River: Don
 Date 18.5.1995 Time: 12.00 Surveyor name
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * BR, PR, EA, EA, EA, EA, EA, EA, EA, EA	BR	PR	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, BA, PC, J, M, L, W	RI	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO, NO, EC, SC, J, P, J, P, J, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * NO, BR, J, O, CO, CP, J, P, J, P, J, P	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type * IF, CL, J, W, J, W, J, W, J, W, J, W	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) NO, NO, CV, J, P, J, P, J, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO, J, O, J, P, J, P, J, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. * BR, PR, EA, EA, EA, EA, EA, EA, EA, EA	BR	PR	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, BA, PC, J, M, L, W	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO, NO, EC, SC, J, P, J, P, J, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from EL, CP, J, O, J, P, J, P, J, P, J, P	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
LAND USE WITHIN 5m OF BANKTOP (L)	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
LEFT BANK TOP (structure within 1m) EL, EC	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
LEFT BANK FACE (structure) EL, EC	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
RIGHT BANK FACE (structure) EL, EC	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
RIGHT BANK TOP (structure within 1m) EL, EC	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
LAND USE WITHIN 5m OF BANK TOP (R)	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or / (present))										
NONE (tick as appropriate)	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Uterworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes/rubus										
Floating-leaved (free)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae - <i>Potamogeton</i> sp.										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Bristle/bracken woodland (BL)	E		Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/hemi-improved grass (IG)		
Straw (SC)			Tilled land (TL)		
Reich pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use a line to show profile Use a point to show structure Use a point to show structure			Perched		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Wetfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Carad(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rap(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Roc(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shore island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bed(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ob(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m) above bed	Banktop height (m) above water
LEFT BANK	2.0	2.0	3.5	3.5
RIGHT BANK	2.0	2.0	3.5	3.5

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Loose debris ☐ Fern ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State

R. BRIEF DESCRIPTION (Use proper and lay words as appropriate)

Descriptive sentence: Straight river, right bank probably reworked, now eroding back to bankment.
 Plants of note: there is channel vegetation but impossible to see it, no
 Major conservation features: bankside upland vegetation for most of the reach.
 Major impacts: Confinement.
 Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: 100m x 100m Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3339
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML
 Grid Reference: EE 695031 River: TORNE
 Date: 21/6/1995 Time: 15:00 Surveyor name: G.C. Miley No. 116
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with site 116 m!
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes on the diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 1FE = 10m - see also 100m x 100m
 National Rivers Authority

DATES, Record planned visit date below

NRA RIVER HABITAT SURVEY 1995: TENSUT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide zone) (d) Mark position of feature (p)

Spot check 1 is at: upstream end ☒ of site (Tick one)
 1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream)

Met. RE, SO, CO, CL, EA, FE, CL, CC, SP, SW, CL, AR, BW
 Bank modification(s) ☒ NO, AT, RL, PC, RM, EN
 Bank feature(s) ☒ NK, NO, EC, SC, JR, VP, SR, VS
CHANNEL NOTE Use sketch of channel
 Channel substrate (one) ☒ SV, RE, SO, CO, CP, SI, SI, CL, AR
 Flow type (one) ☒ FF, CLAW, UW, CF, AF, UP, SM, SD
 Channel modification(s) ☒ NK, NO, SI, SI, DA, FO
 Channel feature(s) ☒ NO, AD, JR, VA, LR
RIGHT BANK (looking downstream)

Met. RE, SO, CO, CL, EA, FE, CL, CC, SP, SW, CL, AR, BW
 Bank modification(s) ☒ NO, AT, RL, PC, RM, EN
 Bank feature(s) ☒ NK, NO, EC, SC, JR, VP, SR, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SH, SC, RP, WL, OW, SO, TL, SU
 LAND USE WITHIN 5m OF BANKTOP (L) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G
 LEFT BANK-TOP (structure within 1m) ☒ B/USC
 LEFT BANK FACE (structure) ☒ B/USC
 RIGHT BANK FACE (structure) ☒ B/USC
 RIGHT BANK-TOP (structure within 1m) ☒ B/USC
 LAND USE WITHIN 5m OF BANK TOP (R) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or J (present))

NONE (tick) ☒ Plant quern (tick one)
 Emergent broad-leaved herbs ☒ ☒
 Emergent narrow-leaved herbs ☒ ☒
 Floating-leaved (rooted) ☒ ☒
 Free-floating ☒ ☒
 Amphibious ☒ ☒
 Submerged broad-leaved ☒ ☒
 Submerged fine-leaved ☒ ☒
 Filamentous algae ☒ ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)
 PLANTS - Use list of types of plants in the vegetation + species of plants of plants in the vegetation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J if present)

L R L R
 Broadleaf/woodland (BL) Wetland (eg bog, marsh, fen) (WL)
 Coniferous plantation (CP) Open water (OW)
 Moorland/heath (MH) Improved/semi-improved grass (IG)
 Scrub (SC) Tilled land (TL)
 Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or J if present)

Natural/unmodified L R Artificial/modified L R
 Vertical/undrained ☒ Resectioned ☒
 Vertical + toe ☒ Reinforced - whole bank ☒
 Steep (>45°) ☒ Reinforced - top only ☒
 Gentle (<45°) ☒ Reinforced - toe only ☒
 Composite ☒ Artificial two-stage ☒
 Use this space to draw profile of different from above, after taking predominant box
 Embanked ☒
 Set-back embankments ☒

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)
 None ☒ Left ☒ Right ☒ E 33% ☒ None ☒ Present ☒
 Isolated/scattered ☒ Shading of channel ☒
 Regularly spaced, single ☒ Overhanging boughs ☒
 Occasional clumps ☒ Exposed bankside roots ☒
 Semi-continuous ☒ Underwater tree roots ☒
 Continuous ☒ Fallen trees ☒
 Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None ☒ Present ☒ None ☒ Present ☒
 Waterfall(s) - free-fall ☒ Marginal deadwater - silt ☒
 Cascade(s) - chute ☒ Exposed bedrock ☒
 Step/pool sequence ☒ Exposed boulders ☒
 Rapid(s) - whitewater ☒ Unvegetated mid-channel bars ☒
 Riffle-pool sequence ☒ Vegetated mid-channel bars ☒
 Run(s) - disturbed, rippled ☒ Mature island(s) ☒
 Bail(s) - upwellings ☒ Unvegetated side bars ☒
 Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS & INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 17.0 RIGHT BANK
 Banktop height (m) 0.25 Water width (m) 9.0 Banktop height (m)
 Embankment height (m) 2.75 Water depth (m) 1.25 Embankment height (m) 3.0
 If trashline lower than banktop break in slope, indicate: height (m) width(m)
 Bad material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☒ along bank? State
 weed-cutting ☐ enhancement ☒ State

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)
 Braided/riffle channels ☐ Artificial open water ☐ Bog ☐ Other (state)
 Debris dams ☐ Natural open water ☐ Carr ☐
 Leafy debris ☐ Water meadow ☐ Marsh ☐
 Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or J. Tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use printer and key words as appropriate)

Descriptive sentence: Uniform channel - no flow - modified banks
 Plants of note (tick list): Mostly abundant fine algae + reeds along margin.
 Major conservation features:
 Major impact: RS sides + LHS - set back EM, RHS - EM.
 Incidental observations (animals etc): Curlew.
 IFE channel only by the 11/6/95

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
 Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFB and A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3340
Mid-section grid reference of network site if different from designated location: IFE

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SE 771079 River: FOLLY DRAIN
Date: 18.7.1995 Time: 16:30 Surveyor name: 66 MAY 40
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Dominant photographs: general character? No ☐ Yes ☒ (tick one box) Set 10 on board!
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NOTE/other description

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1 Unvegetated point bars 1
Pools 1 Vegetated point bars 1
IFE - mid - see next page

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK (looking downstream)

Mat. BE, SO, CO, GL, EA, FE, CL, CC, SP, WP, G, BR, RW
Bank modification(s) ☒ NO, RI, RI, FC, RI, EM
Bank feature(s) ☒ NO, NO, EC, EC, FC, FC, SP, SP
CHANNEL NOTE: Use the bank for
Channel substrate (one) NO, BE, SO, CO, GP, SI, SI, CL, AR
Flow type (one) FF, CH, SW, UW, CF, RP, UP, SN, SP, NO
Channel modification(s) ☒ NO, NO, BE, RI, EA, FO
Channel feature(s) ☒ NO, NO, BE, RI, EA, FO

RIGHT BANK (looking downstream)

Mat. BE, SO, CO, GL, EA, FE, CL, CC, SP, WP, G, BR, RW
Bank modification(s) ☒ NO, RI, RI, FC, RI, EM
Bank feature(s) ☒ NO, NO, EC, EC, FC, FC, SP, SP

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HH, SC, RP, WL, OW, RD, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSIC
LEFT BANK FACE (structure) BAUSIC
RIGHT BANK FACE (structure) BAUSIC
RIGHT BANK-TOP (structure within 1m) BAUSIC
LAND USE WITHIN 5m OF BANK TOP (R) SC

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or J (present))

NONE (tick) Plant quern (faint)

Submerged broad-leaved ☒
Emergent broad-leaved ☒
Emergent reed/scrub ☒
Floating-leaved ☒
Free-floating ☒
Amphibious ☒
Submerged fine-leaved ☒
Submerged fine-leaved ☒
Filament, algae ☒

Use 'E' and 'J' columns for trees not occurring in test sheets as well as small amount of trees from E or J

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<u>E</u>	<u>E</u>
Scrub (SC)			Tilled land (TL)	<u>E</u>	<u>E</u>
Rough pasture (RP)			Suburban/urban development (SU)	<u>E</u>	<u>E</u>

I BANK PROFILES (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Natural/unmodified	<u>2</u>	<u>2</u>	Artificial/modified	<u>1</u>	<u>1</u>
Vertical/undercut	<u>2</u>	<u>2</u>	Reassembled	<u>1</u>	<u>1</u>
Vertical + toe	<u>2</u>	<u>2</u>	Reinforced - whole bank	<u>1</u>	<u>1</u>
Slope (> 45°)	<u>2</u>	<u>2</u>	Reinforced - top only	<u>1</u>	<u>1</u>
Gentle	<u>2</u>	<u>2</u>	Reinforced - toe only	<u>1</u>	<u>1</u>
Composite	<u>2</u>	<u>2</u>	Artificial two-stage	<u>1</u>	<u>1</u>
Use this space to draw profile if different from above, after ticking predominant box			Peached	<u>1</u>	<u>1</u>
			Embanked	<u>1</u>	<u>1</u>
			Set-back embankments	<u>1</u>	<u>1</u>

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E	NOTE
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	E ≥ 33%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>at one end only</u>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>at one end only</u>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>at one end only</u>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>at one end only</u>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>at one end only</u>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>at one end only</u>
				Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>at one end only</u>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	NOTE
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Marginal deadwater - slack</u>
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars
Ruin(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>2.5</u>	Banktop height (m)
Embanked height (m)	<u>0.5</u>	Embanked height (m)
Water width (m)	<u>11.0</u>	Water width (m)
Water depth (m)	<u>0.5</u>	Water depth (m)

If trashline lower than banktop break in slope, indicate: height (m) 1.0 width(m) 2.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = 1 Weirs = 1 Outfalls = 1
Footbridges = 1 Roadbridges = 1 Other = 1
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State ...
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒ (CAUTION)

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State ...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Lowland channel - uniform with 25 sides
Plants of note: (see list) no plants of note at survey
Major conservation features: ...
Major impacts: Reclaimed banks - 21m x 10m along with
Incidental observations (animals etc): Wood yard with

IFE Channel sample taken ☒ Archa

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State ...

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/m) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Plandform category _____

Distance from source (km) _____ Significant tributary _____ Navigation Thruway _____

FIELD SURVEY DETAILS

Reference network site number: 3542

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SE 95T099 River: NEAD ANGLIUM

Date: 1.1.1995 Time: 07.00 Surveyor name: TR. PH. 14 AK 700

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Exposure Photographs: general character? No ☒ Yes ☐ (tick one box) with 1/2 m on 1/2 m

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes: none

NUMBER OF RIFLES, POOLS AND POINT BARS (USE 1-10 to indicate total number)

Rifles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

IF RIFLES - see note 10.1

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within 10m wide zone) (tick one box per attribute)

Spot check 1 is at: upstream end of site (tick one box)

LEFT BANK

Bank material (fine) SL, SO, CO, GL, LF, VC

Bank modification(s) ☒ NO, AL, PL, CL, EM

Bank feature(s) ☒ NO, EC, SC, FR, 17, 18, 19

CHANNEL

Channel substrate (fine) SL, SO, CO, GL, LF, VC

Flow type (fine) 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

Channel modification(s) ☒ NO, AL, PL, CL, EM

Channel feature(s) ☒ NO, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

RIGHT BANK

Bank material (fine) SL, SO, CO, GL, LF, VC

Bank modification(s) ☒ NO, AL, PL, CL, EM

Bank feature(s) ☒ NO, EC, SC, FR, 17, 18, 19

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over 10m wide transect)

Land use: choose one from SL, CL, 10L, 11L, 12L, 13L, 14L, 15L, 16L, 17L, 18L, 19L, 20L, 21L, 22L, 23L, 24L, 25L, 26L, 27L, 28L, 29L, 30L

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 2m) SL, CL

LEFT BANK FACE (structure) SL, CL

RIGHT BANK FACE (structure) SL, CL

RIGHT BANK-TOP (structure within 2m) SL, CL

LAND USE WITHIN 5m OF BANK TOP (R)

CHANNED VEGETATION TYPES (fill in relevant boxes with one entry, use R (20-100 R/L) or A (breeds))

NONE (tick) Plant groups (tick one)

Liverworts/mosses/liches ☐

Emergent reeds ☐

Emergent sedges ☐

Emergent rushes ☐

Flowering leaves (ground) ☒

Free-floating ☒

Amphibious ☐

Submerged broad-leaved ☐

Submerged fine-leaved ☐

Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use tick boxes of Group 1 plants, 10m vegetation + species if possible of Plant pool + Potamogeton pastures

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 34

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

RIGHT BANK

Banktop width (m) 34

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

If threshold lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (R/L only) _____

ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____

Footbridges = _____ Roadbridges = _____

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State: None

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None

Bridled/stepped channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Pin ☐ Flush ☐

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

BRIEF DESCRIPTION (Use appropriate tick boxes to describe site)

Descriptive sentences: Big, straight, fast-flowing, rapids at base of banks, wood piles, etc. to be used as a guide. Metal structures (e.g. culverts) both banks by (L/R) gas pipe line.

Plants of note: large Potamogeton variety in water.

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): Angling Club use banks. Public foot path w/s section from mid. to base. Various alga.

IF channel is choked with vegetation, tick appropriate box

DISPERSED ALDER (tick one box)

None ☒ Present ☐ Extensive ☐ Other (state) None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 4BB

Envelopes supplied! Post completed form for forwarding - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 34

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

RIGHT BANK

Banktop width (m) 34

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

Banktop height (m) 2

If threshold lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (R/L only) _____

ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____

Footbridges = _____ Roadbridges = _____

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State: None

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None

Bridled/stepped channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Pin ☐ Flush ☐

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

BRIEF DESCRIPTION (Use appropriate tick boxes to describe site)

Descriptive sentences: Big, straight, fast-flowing, rapids at base of banks, wood piles, etc. to be used as a guide. Metal structures (e.g. culverts) both banks by (L/R) gas pipe line.

Plants of note: large Potamogeton variety in water.

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): Angling Club use banks. Public foot path w/s section from mid. to base. Various alga.

IF channel is choked with vegetation, tick appropriate box

DISPERSED ALDER (tick one box)

None ☒ Present ☐ Extensive ☐ Other (state) None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 4BB

Envelopes supplied! Post completed form for forwarding - labels supplied separately

DATE. Recd	forward	initiated	date/no checks
7-24-76			

PLANTS - Use 1st 4 labels of Genus of Pota, Potamogeton
+ species if possible of Pota sect. Potamogeton festinatus

Have you completed your expenses for this week? (send to FID for signature!)

Envelopes supplied! Post completed films for processing - labels supplied - 18 tubes

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS 3352

Reference network site number: *3352* See 4D
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES *Com bank, Inval ?*

Grid Reference: River:
 Date *1.1.1995* Time: *12.30* Surveyor name *HO*
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deco vee ☐ symmetrical floodplain

*This sheet is for the missing site in South central Manchester.
 I visited this probably the 1st week of May.
 No sign of the river on questioning local people there was no known river in the area
 so it was assumed to be completed
 collected*

49/12/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of the (tick one box)
PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. <i>SE, SO, CO, GS, A, FE, CL, CC, SP, WF, GA, SF, IR, SW</i>										
Bank modification(s) <i>NO, SS, SL, FC, M, EM</i>										
Bank feature(s) <i>NE, NO, EC, SC, SF, SP, ST, VS</i>										
CHANNEL										
Channel substrate <i>NY, SE, SO, CO, GS, A, FE, CL, CC, SP, WF, GA, SF, IR, SW</i>										
Flow type <i>FF, CH, SW, WF, CF, SF, SP, ST, VS</i>										
Channel modification(s) <i>NE, NO, EC, SC, SF, SP, ST, VS</i>										
Channel feature(s) <i>NO, SO, IR, SP, ST, VS</i>										
RIGHT BANK										
Mat. <i>SE, SO, CO, GS, A, FE, CL, CC, SP, WF, GA, SF, IR, SW</i>										
Bank modification(s) <i>NO, SS, SL, FC, M, EM</i>										
Bank feature(s) <i>NE, NO, EC, SC, SF, SP, ST, VS</i>										
BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CP, 100, TC, LP, VE, OW, 10, 11, 12										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) <i>SL, TC</i>										
LEFT BANK FACE (structure) <i>SL, TC</i>										
RIGHT BANK FACE (structure) <i>SL, TC</i>										
RIGHT BANK-TOP (structure within 1m) <i>SL, TC</i>										
LAND USE WITHIN 5m OF BANK TOP (R)										
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or J (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rubus										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

49/12/95

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. *3354*

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or J if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/cut-sloped	<i>7-7</i>		Recessed		
Vertical + toe	<i>7-7</i>		Reinforced - whole bank		
Steep (> 45°)	<i>7-7</i>		Reinforced - top only		
Gentle	<i>7-7</i>		Reinforced - toe only		
Composite	<i>7-7</i>		Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E	
Waterfall(s) - free-fall	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Bell(s) - upwellings	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>

49/12/95

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Banktop width (m)		Banktop width (m)	
Banktop height (m)		Banktop height (m)	
Embanked height (m)		Embanked height (m)	
If bankline lower than banktop break in slope, indicate: height (m) width(m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use L to indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =
	Foreshedges =	Roadbridges =	Others =
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dragging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other ? State	
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Brashed/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use J or E)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State			
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive sentence:			
Plants of note:			
Major conservation features:			
Major impacts:			
Incidental observations (animals etc):			
S DISEASED ALDERS (Tick one box)			
None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State			

49/12/95

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3354

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Ethiopia

Date: 3.1.1995 Time: 9.40 Surveyor name: HO

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles: 11 5 Unvegetated point bars

Pools: 11 2 Vegetated point bars

National Rivers Authority

P4302.1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	VS	NO	NO	NO	NO	NO	NO	NO
CHANNEL	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Channel substrate #	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type #	RP	RP	SW	SW	SW	SW	SW	SW	SW	SW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	VE	NO	NO	VS	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, JH, SC, RP, WL, OW, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure within 1m)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Live/woody/mosses/liches										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (potent)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P4302.1L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F (if present))

	L	R	L	R
Broadleaf/deciduous woodland (BL)				
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

J. BANK PROFILES (Use E (≥ 33% banklength) or F (if present))

	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Step (> 45°)				
Gentle				
Composite				
Use this space to draw profile if different from above, after taking predominant bank				
Recessed				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial two-stage				
Poached				
Embanked				
Set-back embankments				

K. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

	None	Present E	None	Present E
Trees (Tick one box per bank)				
Isolated/scattered				
Regularly spaced, single				
Occasional clumps				
Semi-cohesive				
Covered				
Shading of channel				
Overhanging boughs				
Exposed bankside roots				
Underwater tree roots				
Fallen trees				
Coarse woody debris				

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present E
Waterfall(s) - freefall				
Cascade(s) - chute				
Step/pool sequence				
Rapid(s) - whitewater				
Riffle-pool sequence				
Flow(s) - disturbed, rippled				
Boil(s) - upwellings				
Glide(s) - smooth, no eddies				
Marginal deadwater - slick				
Exposed bedrock				
Exposed boulders				
Unvegetated mid-channel bars				
Vegetated mid-channel bars				
Mature island(s)				
Unvegetated side bars				
Vegetated side bars				

1.7L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	12.5	15.5
Banktop height (m)	11.25	10.75
Banktop height (m)	11.25	10.75
Banktop height (m)	11.25	10.75

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number; tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Ponds = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State:

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/wide channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Big
	Cur
	Marsh
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number; tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other ? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Channel probably straightened in past.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P4302.1L

NRA RIVER HABITAT SURVEY 1995: TEN 1000 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: **3358**

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES **JL DH IH CC ML**

Grid Reference: **SE 425907** River: **ROVER**

Date: **22.1.1995** Time: **11:30** (Surveyor name) **606 MLY M**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) **50% on!**

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles ☒ Unvegetated point bars ☒

Pools ☐ Vegetated point bars ☐

IFE = 100 - See above (p. 11)

National Rivers Authority

JAMES, record prepared, checked, checked

NRA RIVER HABITAT SURVEY 1995: TEN 1000 Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one)

Spot check 1 is at: upstream end ☐ downstream end ☒

LEFT BANK **RIGHT BANK**

Mat. **BE, BO, CO, CE, FE, GE, HE, IE, JE, KE, LE, ME, NE, OE, PE, SE, TE, VE, WE, YE, ZE**

Bank modification(s) ☒ NO, AS, J, PC, BM, EM

Bank feature(s) ☒ NO, NO, EC, SC, JP, SE, VS

CHANNEL NOTE **(+ S)**

Channel substrate (one) **NO, BE, BO, CO, CE, FE, GE, HE, IE, JE, KE, LE, ME, NE, OE, PE, SE, TE, VE, WE, YE, ZE**

Flow type (one) **FF, CHAW, UW, CP, SP, UP, SM, SP, SO**

Channel modification(s) ☒ NO, NO, BE, BO, CO, CE, FE, GE, HE, IE, JE, KE, LE, ME, NE, OE, PE, SE, TE, VE, WE, YE, ZE

Channel feature(s) ☒ NO, NO, BE, BO, CO, CE, FE, GE, HE, IE, JE, KE, LE, ME, NE, OE, PE, SE, TE, VE, WE, YE, ZE

RIGHT BANK **LEFT BANK**

Mat. **BE, BO, CO, CE, FE, GE, HE, IE, JE, KE, LE, ME, NE, OE, PE, SE, TE, VE, WE, YE, ZE**

Bank modification(s) ☒ NO, AS, J, PC, BM, EM

Bank feature(s) ☒ NO, NO, EC, SC, JP, SE, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)

Land use: choose one from **BL, CP, DH, SC, RP, SL, SW, NO, JL, JU**

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))

NONE (tick) **Plant genera (Int's only)**

Emergent broad-leaved herbs **Epilobium** **in**

Emergent reeds **Scirpus** **in**

Emergent sedges **in**

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NOTES - Use 1st 4 columns of boxes for plant species on 1/11 + species if possible eg. *Potamogeton pectinatus*

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

L **R** **L** **R**

Wetland/mixed woodland (BL) ☒ ☐ **Wetland (eg bog, marsh, fen) (WL)** ☐ ☐

Coniferous plantation (CP) ☐ ☐ **Open water (OW)** ☐ ☐

Woodland/heath (BH) ☐ ☐ **Improved/semi-improved grass (IG)** ☐ ☐

Scrub (SC) ☒ ☒ **Tilled land (TL)** ☐ ☐

Rough pasture (RP) ☐ ☐ **Suburban/urban development (SU)** ☐ ☒

I. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified **L** **R** **Artificial/modified** **L** **R**

Vertical/undercut ☒ ☒ **Reascented** ☐ ☒

Vertical + toe ☒ ☒ **Reinforced - whole bank** ☐ ☒

Steep (>45°) ☒ ☒ **Reinforced - top only** ☐ ☒

Scarp ☐ ☐ **Reinforced - toe only** ☐ ☒

Composite ☐ ☐ **Artificial two-stage** ☐ ☒

Peached ☐ ☒

Embanked ☐ ☒

Set-back embankments ☐ ☒

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank) **ASSOCIATED FEATURES (Tick one box per feature)**

None ☐ ☐ **Left** ☐ ☐ **Right** ☐ ☐ **WATER** ☐ ☐ **E ≥ 33%** ☐ ☐ **None** ☐ ☐ **Present** ☐ ☐ **E** ☐ ☐ **NO TREES**

Isolated/scattered ☒ ☐ **Shading of channel** ☐ ☒ ☐

Regularly spaced, single ☐ ☐ **Overhanging boughs** ☐ ☒ ☐

Occasional clumps ☐ ☐ **Exposed bankside roots** ☐ ☒ ☐

Semi-continuous ☐ ☐ **Underwater tree roots** ☐ ☒ ☐

Continuous ☐ ☐ **Fallen trees** ☐ ☒ ☐

Coarse woody debris ☐ ☒ ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ ☐ ☐ **Marginal deadwater - slack** ☐ ☒ ☐

Cascade(s) - chute ☒ ☐ ☐ **Exposed bedrock** ☐ ☒ ☐

Step/pool sequence ☒ ☐ ☐ **Exposed boulders** ☐ ☒ ☐

Rapid(s) - whitewater ☒ ☐ ☐ **Unvegetated mid-channel bars** ☐ ☒ ☐

Riffle-pool sequence ☒ ☐ ☐ **Vegetated mid-channel bars** ☐ ☒ ☐

Run(s) - disturbed, rippled ☒ ☐ ☐ **Mature island(s)** ☐ ☒ ☐

Build(s) - upwellings ☒ ☐ ☐ **Unvegetated side bars** ☐ ☒ ☐

Glide(s) - smooth, no eddies ☐ ☐ ☒ **Vegetated side bars** ☐ ☒ ☐

Have you completed your response form this week? (send to RND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) **25.0** **Banktop height (m)** **4.0**

Water width (m) **15.0** **Water depth (m)** **1.0**

Embanked height (m) **1.0** **Embanked height (m)** **1.0**

If trashline lower than banktop break in slope, indicate: height (m) **2.0** width (m) **20.0**

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = 4 Fords =

Other = 1 pipe across river

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State **landscaping**

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL **FLOODPLAIN (50m corridor)**

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) **Kingfisher seen**

Braided/side channels ☐ Natural open water ☐ Curb ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State **Japanese Knotweed**

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: **Shallow channel - steep banks, laminar flow.**

Plants of note: **See 1/11**

Major conservation features: **Kingfisher seen**

Major impacts: **Some RS banks + recently planted BL + IG on R48**

Incidental observations (animals etc): **along new road improve mts.**

IFE 3 channel only ticks, 1/11

S. DISPERSED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other dispersed trees? State **None**

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for forwarding - labels supplied on top

NRA RIVER HABITAT SURVEY 1995 (IFE and A) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3359

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SE 504952 River: JZ DH IH CC ML

Date: 28/6/1995 Time: 14.00 Surveyor name: G. C. M. L. W. D. F. S.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 50m 1:4 m!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles 6 Unvegetated point bars

Pools 13 Vegetated point bars 1

IFE - in d - see survey report

National Rivers Authority

DATES: Record prepared validated details

NRA RIVER HABITAT SURVEY 1995 (IFE and A) Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end of site (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK - look in downstream

Mat. BE, BG, CG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

Bank modification(s) ☒ NO, BE, BG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

Bank feature(s) ☒ NO, BE, BG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

CHANNEL NOTE Use sketch in space if relevant

Channel substrate (one) BE, BG, CG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

Flow type (one) FF, CH, BW, UW, CF, SP, ST, GA, GR, AR, AW

Channel modification(s) ☒ NO, BE, BG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

Channel feature(s) ☒ NO, BE, BG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

RIGHT BANK - look in downstream

Mat. BE, BG, CG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

Bank modification(s) ☒ NO, BE, BG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

Bank feature(s) ☒ NO, BE, BG, GE, LE, CL, CC, SP, ST, GA, GR, AR, AW

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, ISH, SC, SP, ST, GA, GR, AR, AW

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BVS/C

LEFT BANK FACE (structure) BVS/C

RIGHT BANK FACE (structure) BVS/C

RIGHT BANK-TOP (structure within 1m) BVS/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (present))

NONE (tick) ☒ Plant quercus (Pteris, etc.)

Liverworts ☐ Mosses/lichens ☐ Emergent broad leaved herbs ☐ Emergent reeds/sedges/rushes ☐ Floating-leaved (rooted) ☐ Free-floating ☐ Amphibious ☐ Submerged - broad-leaved ☐ Submerged - fine-leaved ☐ Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use 1st 2 letters of genus of Pteris etc. vegetation + species if possible eg Pteris aquilina

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P if present)

L R

Broadleaved/modified woodland (BL) E E Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or P if present)

L R

Natural/unmodified Vertical/undercut E E Rescoured

Vertical + toe E E Reinforced - whole bank

Steep (> 45°) E E Reinforced - top only

Gentle E E Reinforced - toe only

Composite Artificial two-stage

Use 0.5 space to show profile of different from above, after scaling per determined box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ W/TES E ≥ 33% None Present E

Isolated/scattered ☐ Overhanging boughs ☐

Regularly spaced, single ☐ Exposed bankside roots ☐

Occasional clumps ☐ Underwater tree roots ☐

Semi-continuous ☐ Fallen trees ☐

Continuous ☐ Coarse woody debris ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

None Present E

Waterfall(s) - free-fall ☒ Marginal deadwater - slack ☐

Cascade(s) - chute ☒ Exposed bedrock ☐

Step/pool sequence ☒ Exposed boulders ☐

Rapids(s) - whitewater ☒ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☒ Vegetated mid-channel bars ☐

Run(s) - disturbed, rippled ☐ Mature island(s) ☐

Boil(s) - upwellings ☒ Unvegetated side bars ☐

Glides(s) - smooth, no eddies ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 11.0 **RIGHT BANK**

Banktop height (m) 1.0 Water width (m) 2.0 Banktop height (m) 1.5

Banktop height (m) 1.0 Water depth (m) 0.05 Banktop height (m) 1.5

If transect lower than banktop break in slope, indicate: height (m) 0.25 * d(b)(n) 2.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/2 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = { Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

wed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☒ Water meadow ☐ Marsh ☐

Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/2 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Small tree-lined channel. fairly good + SE.

Plants of note (see list) Low flow at time of survey.

Major conservation features: BL woodland and riparian strip.

Major impacts:

Incidental observations (animals etc):

IFE channel map by G. C. M. L. W. D. F. S.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995 IFB and A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3360

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML

Grid Reference: SK 644912 River: RYTON

Date: 29.6.1995 Time: 11:30 Surveyor name: JB, JW PH 16 AK 7040

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6C mly 40 116 FWD

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site name! Boat

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

(IFB and A - see notes on page 1)

National Rivers Authority

DATES, HAND DATED

NRA RIVER HABITAT SURVEY 1995 IFB and A Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DM, SC, LP, WL, OW, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) BL BL BL SC SC SC BL BL SC SC SC

LEFT BANK-TOP (structure within 1m) BL SC SC SC SC SC SC SC SC SC

LEFT BANK FACE (structure) BL SC SC SC SC SC SC SC SC SC

RIGHT BANK FACE (structure) BL SC SC SC SC SC SC SC SC SC

RIGHT BANK-TOP (structure within 1m) BL SC SC SC SC SC SC SC SC SC

LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (2-3% area) or F (greater))

NONE (tick) Plant genera (list them)

Liverworts mosses/lichens / Alder

Emergent broad-leaved herbs

Emergent reeds / sedges / rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged - broad-leaved

Submerged - linear-leaved

Filamentous, algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use 1st 4 dth of genus + 1st 2 dth of species if possible + 1st 2 dth of genus + 1st 2 dth of species if possible + 1st 2 dth of genus + 1st 2 dth of species if possible

NRA RIVER HABITAT SURVEY 1995 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or F if present)

L R L R

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (2-3% banklength) or F if present)

Natural/unmodified L R Artificial/unmodified L R

Vertical/undercut 7 2 Rescoured

Vertical + toe Reinforced - whole bank

Steep (>45°) Reinforced - toe only

Gentle Reinforced - toe only

Composite Artificial two-stage

Use 1/11 to give to draw profile

Poached

Enbanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None Left Right

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33% None Present E

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - free-fall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Rune(s) - disturbed, rippled

Boil(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your squares from this week? (send 6 PWD for signature!)

NRA RIVER HABITAT SURVEY 1995 DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 10.5 RIGHT BANK

Banktop height (m) 1.75 Water width (m) 6.5 Banktop height (m) 1.75

Enbanked height (m) 2.0 Water depth (m) 1.0 Enbanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) 0.75 width (m) 7.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Forbs =

Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ For whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/side channels ☐ Artificial open water ☐ Bog ☐ Other (state)

Debris dams ☐ Natural open water ☐ Carr ☐ Silt channel

Leafy debris ☐ Water meadow ☐ Marsh ☐ (state)

Fea ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES - Use 1/11 to indicate total number, tick 'none' where appropriate

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Uniform channel, mostly SA substrate. SWS flow

Plan of site: (see list) No trees RUB.

Major conservation features:

Major impacts: RS + EM banks.

Incidental observations (animals etc):

IFE channel empty (tick one box)

S DISPERSED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (state)

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARHAM, B120 6BB

Envelopes supplied! Post marked fine for postage. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream ☐ of site (tick one) ☒ at site ☐ downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Bank material (one)	SE, SO, CO, GS, FA, FE, CL	SE	SO	CO	GS	FA	FE	CL		
Bank modification(s)	NO, NA, M, F, C, N, L, M	R1	C1	R1	C1	R1	C1	R1	C1	R1
Bank feature(s)	NO, NA, M, F, C, N, L, M	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel substrate (one)	SV, SL, SO, CO, GS, FA, FE, CL	SV	SV	SV	SV	SV	SV	SV	SV	SV
Flow type (one)	FF, CH, SW, UP, CT, SF, SF, SF, SF, SF	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO, NA, M, F, C, N, L, M	NK	NK	NK	NK	NK	NK	NK	NK	NK
Channel feature(s)	NO, NA, M, F, C, N, L, M	N0	N0	N0	N0	N0	N0	N0	N0	N0
RIGHT BANK										
Bank material (one)	SE, SO, CO, GS, FA, FE, CL	SE	SO	CO	GS	FA	FE	CL		
Bank modification(s)	NO, NA, M, F, C, N, L, M	R1	C1	R1	C1	R1	C1	R1	C1	R1
Bank feature(s)	NO, NA, M, F, C, N, L, M	N0	N0	N0	N0	N0	N0	N0	N0	N0

BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, SH, SC, SP, VE, OW, TO, TL, TV

LAND USE WITHIN 5m OF BANKTOP (L)	SU	C1	SU	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m)	BAUSIC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	BAUSIC	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure)	BAUSIC	C	C	C	C	C	C	C	C	C
RIGHT BANK-TOP (structure within 1m)	BAUSIC	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	C1 <td>SU</td> <td>TL <td>TL <td>TL <td>TL <td>TL <td>TL <td>TL</td> </td></td></td></td></td></td>	SU	TL <td>TL <td>TL <td>TL <td>TL <td>TL <td>TL</td> </td></td></td></td></td>	TL <td>TL <td>TL <td>TL <td>TL <td>TL</td> </td></td></td></td>	TL <td>TL <td>TL <td>TL <td>TL</td> </td></td></td>	TL <td>TL <td>TL <td>TL</td> </td></td>	TL <td>TL <td>TL</td> </td>	TL <td>TL</td>	TL

CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E, (E, 15% even) or (E, 10%))

Plant genus (tick one)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NONE (tick)										
Emergent broad-leaved herbs										
Emergent reeds, sedges, rushes										
Floating-leaved (spotted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filament, algae										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or e) ↑

NOTES - Use tick to indicate of presence of plants, structures + species of possible of plants, structures, features

Notes: Record of channel width, depth, flow, etc. (tick one box)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

LAND USE WITHIN 5m OF BANKTOP (tick one box)

Land use	SL	CP	SH	SC	SP	VE	OW	TO	TL	TV
Broadleaf/woodland (BL)										
Coniferous plantation (CP)										
Woodland/shrub (SH)										
Scrub (SC)										
Rough pasture (RP)										
Suburban/urban development (SU)										

BANK FACILITIES (tick one box)

Bank facility	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Restructured		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Reinforced		
			Enbanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

Trees (tick one box per bank)	Left	Right	Notes	Associated features (tick one box per feature)	None	Present	Notes
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Scrub-clusters				Fallen trees			
Continuous				Coarse woody debris			

EXTENT OF CHANNEL FEATURES

Channel features	None	Present	Notes
Waterfall(s) - freefall			
Canal(s) - chute			
Step-pool sequences			
Rapids(s) - whitewater			
Riffle-pool sequences			
Runs(s) - disturbed, rippled			
Boils(s) - upwellings			
Glide(s) - smooth, no eddies			
Marginal deadwater - slack			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Mature island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your sweep-up for this reach? ☒ Yes ☐ No

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Banktop height (m)	Embankment height (m)
	6	6	6	6	6	6

If threshold lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFB only)

ARTIFICIAL FEATURES (tick one box)

None ☒ Number of Culverts = Weirs = Outfalls = Feeds =

It water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☒ tree banks ☐ Other? State

weed-cutting ☐ enhancement ☐ embankment ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box)

Channel	Floodplain (50m corridor)
Waterfalls > 2m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fan
	Bog
	Carr
	Mud
	Flats

CROOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: This reach is a straight uniform section, with a riffle, and a set back, and a bank.

Plants of note (tick one): reeds, sedges, rushes, etc. (tick one): tree banks, etc.

Major conservation features:

Major impacts:

Incidental observations (animals etc): Common water vole, murrelet(?) rostrum bank.

IF checked, say by whom: ☒ Filtered

DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3363

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SK 90695 River: ECU

Date 1.1.1995 Time: 15.00 Surveyor name: J. H. 14 AK 76

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site notes

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE (1-11) = 0

National Rivers Authority

J.H.S. heard from midland hillsides

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

R RIVER PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m wide cross-section)

Spot check 1 is at: upstream end of site (1) downstream end of site (2)

LEFT BANK (looking downstream)

Bank material (fine) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Bank material (coarse) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Bank features (1) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Channel features (1) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

RIGHT BANK (looking downstream)

Bank material (fine) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Bank material (coarse) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Bank features (1) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Channel features (1) 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)

Land use: choose one from 1L, 1R, 2L, 2R, 3L, 3R, 4L, 4R, 5L, 5R, 6L, 6R, 7L, 7R, 8L, 8R, 9L, 9R, 10L, 10R

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (2-3% area) or / (present))

NONE (tick) Plant species (tick one)

Emergent broad-leaved ☐ Emergent narrow-leaved ☐ Floating-leaved ☐ Free-floating ☐ Amphibious ☐ Submerged ☐ Submerged floating-leaved ☐ Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS = Use list of plants of grassy plain, etc. + species of plants of plain, etc. + species of plants of plain, etc.

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or / if present)

III BANK PROFILES (Use E (2-3% banklength) or / if present)

IV EXTENT OF TREES AND ASSOCIATED FEATURES

V EXTENT OF CHANNEL FEATURES (Use one box per feature)

Waterfall(s) - freefall ☐ Waterfall(s) - chute ☐ Step/pool sequence ☐ Rapid(s) - whitewater ☐ Rapid(s) - disturbed, rippled ☐ Rapid(s) - upwellings ☐ Rapid(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

M ARTIFICIAL FEATURES (Use 1-11, then indicate total number, tick 'none' where appropriate)

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

P CHOKED CHANNEL (Tick one box)

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11, then indicate total number, tick 'none' where appropriate)

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: ...

Plants of note: ...

Major conservation features: ...

Major impacts: ...

Incidental observations (animals etc): ...

IFE (1-11) = ...

SWEEP COMPLETED FOR: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Barcode supplied! Post completed files for processing - labels supplied as per

Have you completed your species form this week? (Send to FWD for signature!)

deafblind

PLANTS - Use 1st 4 letters of Genus \rightarrow Pota & Potarogaster
+ species if possible of Pota part & Potarogaster partitive

3-4942-776 $\sigma_{\text{H}_2} = 0.72$

Envelopes implied! Post concluded films for processing - labels implied as type

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3377

Mid-section grid reference of network site if different from designated location:

COMPLETION THIS FOLLOWING FOR ALL SITES

Grid Reference: River: Taiton West Stream

Date: 1.1.1995 Time: 13.10 Surveyor name: HD

Adverse conditions affecting survey? No ☒ Yes ☐ if yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-5 then indicate total number)

Riffles 1 | 2 Unvegetated point bars

Pools Vegetated point bars 5

National Rivers Authority

P-4512 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide zone)

Stat. # Material ☐ is one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from RL, CP, MH, SC, LP, WL, OW, PL, H, LU	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LAND USE WITHIN 5m OF BANKTOP (L)	U	U	U	U	U	U	U	U	U	U
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (Green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/edges/robes										
Floating-leaved (free)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

P-4512 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Woodland/mixed woodland (ML)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Non-land/land (NL)			Improved/better-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/steep			Reinforced		
Vertical + toe			Reinforced - whole bank		
Step (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if it differs from above, other using predetermined box			Parished		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	None	Present
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present	
Waterfall(s) - freefall		Marginal deadwater - slack	
Cascade(s) - chute		Exposed bedrock	
Scallop sequence		Exposed boulders	
Rapid(s) - whitewater		Unvegetated mid-channel bars	
Riffle-pool sequence		Vegetated mid-channel bars	
Run(s) - disturbed, rippled		Mature island(s)	
Boil(s) - upwellings		Unvegetated side bars	
Glide(s) - smooth, no eddies		Vegetated side bars	

P-4512 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5m	RIGHT BANK
Banktop height (m)	1.5		Banktop height (m)
Banked height (m)			Banked height (m)
Water depth (m)	0.50		Banked height (m)

If available lower than banktop bank in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFR only)

M ARTIFICIAL FEATURES (Use 1-5 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =

Footbridges = Other =

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Branded/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-5)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Description sequence: Slope, rippling stream, banks, out of reservoir, bimodal bed material, 10-15m wide, 1m deep (slightly rippled), meandering alternate vegetated point bars

Plant of note: extensive channel vegetation

Major conservation features: semi-natural, varied habitat, rich in river life, with many point bars

Major impacts: River water upstream may be causing relatively fine substrate, incidental observations (animals etc): Rats invertebrate life, many freshwater shrimps, snails - stone loaches

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFR, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P-4512 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Soil geology code _____ Drain geology code _____ Platform category _____

Distance from source (km) _____ Significant tributary? _____ Navigation? _____

B FIELD SURVEY DETAILS

Reference network site number: 3379

Mid-section grid reference of network site if different from designated location: _____

COMPLETION THIS FOLLOWING FOR ALL SITES

Grid Reference: _____ River: River Gort

Date 16/5/95 Time: 11:30 Surveyor name: HD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs; general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles 4/1 5 Unvegetated point bars _____

Pools _____ Vegetated point bars _____

National Rivers Authority

P45123 16/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2

Spot check 1 to 10 upstream and 11 downstream and 12 (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

M.A. - Material ☐ - one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank profile (a) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature (b) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel velocity ¹ <u>CO</u> <u>CO</u> <u>CO</u> <u>CO</u> <u>CO</u> <u>CO</u> <u>CO</u> <u>CO</u> <u>CO</u> <u>CO</u>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type ¹ <u>CF</u> <u>CF</u> <u>UP</u> <u>UP</u> <u>UP</u> <u>UP</u> <u>UP</u> <u>UP</u> <u>UP</u> <u>UP</u>	CF	CF	UP	UP	UP	UP	UP	UP	UP	UP
Channel modification (d) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature (e) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank profile (a) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature (b) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use choice one from AL, CR, GR, NC, PL, VL, WL, BR, BL, SL

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (1)	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
LEFT BANK FACE (structure)	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure)	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (2)	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 35% area) or 1 (green))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Emergent macrophytes										
Emergent broad leaved herbs										
Emergent reedbeds/grasses										
Floating-leaved (free)										
Free-floating										
Asphodels										
Schmied broad-leaved										
Schmied fine-leaved										
Filamentous algae										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 100m (use E or 1)

P45123

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 35% banklength) or 1 if present)

	L	R		L	R
Arable/maize/woodland (AL)			Wetland (eg bog, marsh, fen) (WL)		
Croftland/plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/unimproved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK TROPHIES (Use E (in 35% banklength) or 1 if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/landward			Reinforced		
Vertical + lean			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Chairs			Reinforced - toe only		
Composites			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined line			Prashed		
			Endbanded		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	None	Left	Right	None	Present	Present
None	<input checked="" type="checkbox"/>			Shading of channel	<input checked="" type="checkbox"/>	
Isolated/scattered				Overhanging boughs	<input checked="" type="checkbox"/>	
Regularly spaced, single				Exposed bankside roots	<input checked="" type="checkbox"/>	
Occasional clumps				Underwater tree roots	<input checked="" type="checkbox"/>	
Semi-continuous				Fallen trees	<input checked="" type="checkbox"/>	
Continuous				Coarse woody debris	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Present	None	Present	Present
Waterfall(s) - freefall	<input checked="" type="checkbox"/>			Marginal deadwater - slack	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>			Exposed bedrock	<input checked="" type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>			Exposed boulders	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>			Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>			Vegetated mid-channel bars	<input checked="" type="checkbox"/>	
Rum(s) - disturbed, rippled	<input checked="" type="checkbox"/>			Mature island(s)	<input checked="" type="checkbox"/>	
Bed(s) - upwellings	<input checked="" type="checkbox"/>			Unvegetated side bars	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>			Vegetated side bars	<input checked="" type="checkbox"/>	

P45123

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left bank	Right bank
Banktop width (m)	2.5	2.5
Banktop height (m)	1.25	1.25
Channel width (m)	0.5	0.5
Channel height (m)	0.5	0.5

If no line lower than banktop bank by the top, indicate: height (m) _____ width (m) _____

Bed material at site is: gravel/sand (compact) ☒ unconsolidated (stone) ☐ mud/silt ☐

Location of measurement by: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (10% only) _____

M ARTIFICIAL FEATURES (Use 1/2 indicate total number, tick 'none' where appropriate)

None ☐ Number of: Culverts _____ Weirs _____ Outfalls (1/2) _____ Piers _____

Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Deadening ☐ mowing ☐ Other? State: _____

Wood-banking ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

	Channel	Floodplain (50m corridor)
Waterfalls > 5m high	<input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Bankable channels	<input checked="" type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams	<input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris	<input type="checkbox"/>	Pen <input type="checkbox"/>
		Flork <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE SURFACE PLANT SPECIES (Use E or 1)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State: _____

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Description sentence: Very effective, winding, many bedrock weirs, downstream section broad bed channel with vegetated bars. Great variety of habitat. Slightly eroded with

Major conservation features: if water quality were improved + tipping of bank improved this would be a valuable site.

Major impacts: _____

Incidental observations (animals etc): 1 dead fish

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STORR, WAREHAM, BH20 6BB

P45123

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3382

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Rurelin

Date 9/5/1995 Time: 15:20 Surveyor name: HD



Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state



Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)



Duplicate photographs: general character? No ☐ B Yes ☒ (tick one box)


Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

 ☐ shallow vee  ☒ terraced valley floor

 ☐ deep vee  ☐ symmetrical floodplain

 ☐ gorge  ☐ asymmetrical floodplain

 ☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)

Riffles 111 (3) Unvegetated point bars

Pools 11 (2) Vegetated point bars

National Rivers Authority

P-49428.TL

waterfalls (5)

111 7543

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (Tick one box)

3389

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide range)

[illegible]



























P-45628-TL

* midchannel vegetated with approx 1m wide
see photo.

[illegible]

	L	R		L	R
Broadleaved woodland (BL)	100%	100%	Wetland (eg bog, marsh, fen) (W)	✓	
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

1. BANK PROFILES Use 5 (≥ 33% handlength) or 7 if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking preconstruction test			Poached		
			Embanked		
			Sei-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	F > 33%	None	Frequent	Rare
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

KIND: EXTENT OF CHANNEL FEATURES (Tick one box)

	None	Present	B		None	Present	B
Waterfall(s) ~ freefall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater ~ slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) ~ chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s) ~ whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) ~ ditterbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s) (whitewind)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reef(s) ~ spawning ledge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) ~ smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

P-49428.TL

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

CHANNEL DIMENSIONS TO BE MEASURED AT THE DRY STATION (unless noted, preferably during a high tide)			
LEFT BANK		RIGHT BANK	
Banktop width (m)	1.12 m	Banktop width (m)	0.7 m
Banktop height (m)	0.7 m	Banktop height (m)	0.7 m
Embanked height (m)		Embanked height (m)	

if trashline lower than banktop break in slope, indicates height (m) width(m)

Bed material at site is: ☒ consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

[illegible]

Location of measurement is: ☒ rattle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

ARTIFICIAL FEATURES (Use $\frac{1}{2}$ Indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = ① Outfalls = Ferds =
Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
 weed-cutting ☐ enhancement ☐

0 FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL		FLOODPLAIN (50m corridor)			
Waterfalls > 5m high	<input checked="" type="checkbox"/>	Artificial open water	<input checked="" type="checkbox"/>	Bog	<input type="checkbox"/>
Braided/side channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>
Debris dams	<input checked="" type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>
Leafy debris	<input checked="" type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input checked="" type="checkbox"/>

CHOKED CHANNEL. (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES *Use / or X*

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

BRIEF DESCRIPTION: (*Use prompts and key words as appropriate*)

Descriptive sentence: Very attractive, wide, deep, border a cobble river through steep sided large boulders. Side channels frequent. 1st of 4

Plants of notes: mill wheels, silted dams creating wet areas. Artificial structures if anything

Major conservation features: flow & bed structures. No channel vegetation except moss & algae.

Major impacts: ~~None~~ ^{attractive} for scenic beauty.

Incidental observations (animals etc): (There were 3 wheels in this reach)

DISEASED ALDERS. (Tick and Fox).

249529.TL

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3383
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: Shire Brook
Date: 9.5.1995 Time: 13:45 Surveyor name: HIO
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ 2 Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/4 then indicate total number)

Riffles 1/4 3 Unvegetated point bars
Pools 1/4 1/4 8 Vegetated point bars

National Rivers Authority

P44012.TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate 1	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type 1	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SH, SC, SP, SL, SW, SU, TL, TU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure within 1m)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)										

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (≥ 33% area) or L (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

P44012.TL

SITE NO. 3383 NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or L if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J. BANK PROFILES (Use E (≥ 33% banklength) or L if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined box			Poached		
			Embanked		
			Set-back embankments		

K. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	L	R	E ≥ 33%	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None	Present E	None	Present E
Waterfall(s) - free-fall			Marginal deadwater - silt
Cascade(s) - chute			Exposed bedrock
Step/pool sequence			Exposed boulders
Rapid(s) - whitewater			Unvegetated mid-channel bars
Riffle-pool sequence			Vegetated mid-channel bars
Rune(s) - disturbed, rippled			Mature island(s)
Boil(s) - upwellings			Unvegetated side bars
Glide(s) - smooth, no eddies			Vegetated side bars

P44012.TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	3m	RIGHT BANK
Banktop height (m)	1.0		Banktop height (m)
Embanked height (m)	1.0		Embanked height (m)
If trashline lower than banktop break in slope, indicate: height (m) width (m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only) 1			

M. ARTIFICIAL FEATURES (Use 1/4 (indicate total number, tick "none" where appropriate))

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1/4 Roadbridges = 0
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/rude channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/4 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State

R. BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentences: Working, increasing stream, playing fields on left bank, pole 2m b + island on right bank, channel from having estate - lots of sowing
Plants of note: water, no channel, no stream, lower section
Major conservation features: working, boulders + large material rippled into river from industrial estate.
Major impacts: Some variety of trees mostly Hawthorn
Incidental observations (animals etc):

S. DISEASED ALPERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P44012.TL

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3384 *NO longer exists!! Area now being re-developed - stream moved.
 Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SK 415878

River:

UN-NAMED TRIB OF
ROTHER
JB, JW PH IG AK JB

Date: 28/6/1995 Time: 10:30

Surveyor name
(with grade)

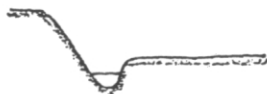
GC MLV HO NG FHD

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, stateBed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: special features general character? No ☐ Yes ☐ (tick one box) with site No on Board
 [Essential - return visits required if failures!]

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee☐ terraced valley floor☐ deep vee☐ symmetrical floodplain☐ gorge☐ asymmetrical floodplain☐ concave/bowl

NO DATA + NOTES/extra DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use ||| then indicate total number)

Riffles

Unvegetated point bars

Pools

Vegetated point bars

IFE-Mod - see over page 2)

National Rivers Authority

DATES. Recd

proced

validated

datebook
checks

NRA RIVER HABITAT SURVEY 1995 176 m.d.A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Soil geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3385

Section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML

Grid Reference: SK 549309 River: ANSTON BROOK

Date: 22/10/1995 Time: 16:30 Surveyor name: 66 M.V. No. 106

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) 50% 1/2 on 1

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☒ + KITES/old terrace

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles // Unvegetated point bars

Pools Vegetated point bars

1/5 = 1/1 - 5/5 = 1/1 - 1/1 = 1/1

National Rivers Authority

DES. record planned visited details

NRA RIVER HABITAT SURVEY 1995 TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark presence of feature)

Spot check 1 is at upstream end of site (Tick one)

LEFT BANK looking downstream

Mat. BL, CO, CL, GL, PL, CP, GP, GP, GP, GP, GP

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL NOTE: Use suitable for

Channel substrate (one) SP, SP, SP, SP, SP, SP, SP, SP, SP, SP

Flow type (one) SP, SP, SP, SP, SP, SP, SP, SP, SP, SP

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK looking downstream

Mat. BL, CO, CL, GL, PL, CP, GP, GP, GP, GP, GP

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide bank)

Land use: choose one from BL, CP, NH, SC, SP, VL, OW, JO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))

NONE (tick) Plant genera (tick one)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1st 4 letters of genus or Latin name of species if possible eg. Polka poe = Potamogeton pectinatus

Repeat 1

SITE NO. 3385 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

III BANK PROFILES (Use E (≥ 33% banklength) or / if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (>45°)

Gentle

Composite

Artificial/modified

Resectioned

Reinforced - whole bank

Reinforced - toe only

Artificial two-stage

Poached

Embanked

Set-back embankments

IV EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall

Cascades(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Flow(s) - disturbed, rippled

Scum(s) - swellings

Glides(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your exercises from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995 DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 3.0

Banktop height (m) 0.75

Embanked height (m) 0.75

RIGHT BANK

Banktop width (m) 1.0

Banktop height (m) 0.75

Embanked height (m) 0.75

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☒ Other? State: RS 5.300 at lower end

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Enailed/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☒ Fen ☐ Flush ☐

P CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E (≥ 33% banklength) or / if present)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Shrubby, small stream - swift flow, GP substrate

Plants of note: (see list) Patches of dense Salix/Alnus etc.

Major conservation features: Riparian strip: BL/Herbaceous (RHS) - neglected hedge.

Major impacts: RS banks + culvert.

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding. Labels supplied separately.

NRA RIVER HABITAT SURVEY 1995 IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3386

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SK 633885 River: RYTON

Date: 26/6/1995 Time: 10:00 Surveyor name: TB, TW, PH, IG, AK, TGM

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6c mly No (16) FWD

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general ☒ specific ☐ (tick one box) with site map

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes etc. Drainage

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE = 10 + 1 = 11

National Rivers Authority

DATES: Record prepared visited detailed checks

NRA RIVER HABITAT SURVEY 1995 IFE P.A.A. Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK: looking down stream

Mat. BE, SO, CO, GE, LA, PE, CL, CC, SP, WP, GA, BR, RW

Bank modification(s) ☒ NO, RI, PC, SV, WZ

Bank feature(s) ☒ AK, NO, IC, SC, FB, VP, SR, VS

CHANNEL NOTE: Use in bank face of channel

Channel substrate (one) NY, BE, SO, CO, GE, LA, PE, CL, CC, SP, WP, GA, BR, RW

Flow type (one) FF, CLAW, UW, CF, AP, LP, SM, SP, SD

Channel modification(s) ☒ NO, NO, RI, PC, SV, WZ

Channel feature(s) ☒ NO, NO, RI, PC, SV, WZ

RIGHT BANK: looking down stream

Mat. BE, SO, CO, GE, LA, PE, CL, CC, SP, WP, GA, BR, RW

Bank modification(s) ☒ NO, RI, PC, SV, WZ

Bank feature(s) ☒ AK, NO, IC, SC, FB, VP, SR, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, KH, SC, RP, WL, OW, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BLUSC

LEFT BANK FACE (structure) BLUSC

RIGHT BANK FACE (structure) BLUSC

RIGHT BANK-TOP (structure within 1m) BLUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes, with one entry: use E (≥ 33% area) or V (present))

NONE (tick) ☒ Plant genera (tick one)

Liverworts ☐ Mosses/algae ☐ Mid. ☐

Emergent reeds ☐ Broad-leaved ☐ Floating-leaved ☐ Free-floating ☐

Amphibious ☐ Submerged ☐ Submerged float ☐ Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use 1st 4 letters of genus or Pol. for Pol. + species if possible eg Pol. peat = Pol. peat + Pol. peat

NRA RIVER HABITAT SURVEY 1995 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or V if present)

Natural/unmodified L R Artificial modified L R

Vertical/undercut 7-7 Resectioned 3

Vertical + toe 7 Reinforced - whole bank 7

Step (> 45°) 7 Reinforced - top only 7

Gentle 7 Reinforced - toe only 7

Composite 7 Artificial to toe 7

Use this space to draw profile (E = 33% banklength, V = 100% banklength)

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☐ N/TES

Isolated/scattered ☐ Shading of channel ☒ None ☐ Present ☐ N/TES

Regularly spaced, single ☐ Overhanging branches ☒ None ☐ Present ☐ N/TES

Occasional clumps ☐ Exposed bankside roots ☒ None ☐ Present ☐ N/TES

Semi-continuous ☐ Underwater tree roots ☒ None ☐ Present ☐ N/TES

Continuous ☐ Fallen trees ☒ None ☐ Present ☐ N/TES

Coarse woody debris ☒ None ☐ Present ☐ N/TES

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒ None ☐ Present ☐ Marginal eddies - slack ☒ None ☐ Present ☐ N/TES

Cascade(s) - chute ☒ Exposed bedrock ☒ None ☐ Present ☐ N/TES

Step/pool sequence ☒ Exposed boulders ☒ None ☐ Present ☐ N/TES

Rapid(s) - whitewater ☒ Unvegetated mid-channel bars ☒ None ☐ Present ☐ N/TES

Riffle/pool sequence ☒ Vegetated mid-channel bars ☒ None ☐ Present ☐ N/TES

Run(s) - disturbed, rippled ☒ Mature island(s) ☒ None ☐ Present ☐ N/TES

Boil(s) - upwellings ☒ Unvegetated side bars ☒ None ☐ Present ☐ N/TES

Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒ None ☐ Present ☐ N/TES

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995 DIMENSIONAL AND INFLECTION

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 13.5 RIGHT BANK

Banktop height (m) 2.0 Water width (m) 9.0 Banktop height (m) 2.0

Embanked height (m) 0.75 Water depth (m) 0.75 Embankment height (m) 2.25

If trashline lower than banktop break in slope, indicate: height (m) 1.0 width (m) 0.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

Nose ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/side channels ☐ Artificial open water ☐ Bog ☐ Other (state)

Debris dams ☐ Natural open water ☐ Carr ☐

Leafy debris ☐ Water meadow ☐ Marsh ☐

Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Uniform channel (GP substrate) SM flow.

Plants of note: (see 1st) no trees on either bank !!

Major conservation features:

Major impacts: RS (EUS) - Dredged with small EM (spoil).

Incidental observations (animals etc): lots of filamentous algae.

IFE 3 channels only to be filtered

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased tree? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6DB

Envelopes supplied! Post completed files for processing. Labels supplied + 45p

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3387

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River:

Date: 8.5.1995 Time: 14:30 Surveyor name: L10

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles (6) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box) K: H1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

LEFT BANK

Mat. ☒ S ☒ G ☒ L ☒ F ☒ C ☒ P ☒ J ☒ W ☒ R ☒ B ☒ A ☒ E ☒ H ☒ I ☒ O ☒ N ☒ D ☒ K ☒ S ☒ C ☒ J ☒ W

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3372

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: /

Date 15/11/1995 Time: 11:00 Surveyor name: H.O.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles ☒ Unvegetated point bars

Pools ☐ Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <i>SL, S, CL, GL, F, L, C, CC, J, P, M, G, A, B, R, W</i>	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Bank modification(s) ² <i>NO, AL, FC, M, E, M</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <i>NE, NO, EC, JC, F, P, M, G, A, B, R, W</i>	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ⁴ <i>SL, S, CL, GL, F, L, C, CC, J, P, M, G, A, B, R, W</i>	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Flow type ⁵ <i>FF, CH, SW, LW, CF, AP, UF, DU, SP, SD</i>	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s) ⁶ <i>NE, NO, EC, JC, F, P, M, G, A, B, R, W</i>	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ⁷ <i>NE, NO, EC, JC, F, P, M, G, A, B, R, W</i>	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <i>SL, S, CL, GL, F, L, C, CC, J, P, M, G, A, B, R, W</i>	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Bank modification(s) ² <i>NO, AL, FC, M, E, M</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <i>NE, NO, EC, JC, F, P, M, G, A, B, R, W</i>	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from *FL, CL, SL, SC, LP, VL, OM, SD, TL, SU*

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) ⁸ <i>BA, SC</i>	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
LEFT BANK FACE (structure) ⁹ <i>BA, SC</i>	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
RIGHT BANK FACE (structure) ⁹ <i>BA, SC</i>	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
RIGHT BANK-TOP (structure within 1m) ⁸ <i>BA, SC</i>	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
LAND USE WITHIN 5m OF BANK TOP (R)	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or L (green))

NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent rigid-leaved herbs										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'batch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or L if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or L if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composites			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after ticking predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			E > 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - freefall			Marginal deadwater - slack		
Cascades(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Runs(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.5	Banktop height (m)
Embanked height (m)	0.1	Embanked height (m)

If bankline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 then indicate total number, tick 'none' where appropriate)

None	Number of	Culverts =	Weirs =	Outfalls =	Fords =
		Footbridges =	Headbridges =		

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use L or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: ...

Flora of note: ...

Major conservation features: ...

Major impacts: ...

Incidental observations (animals etc): ...

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (n/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3393

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: L11

Date: 15/06/1995 Time: 09:00 Surveyor name:

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 11 then indicate total number)

Riffles 15 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P49C17L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2

Get check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES: Be assessed across channel within a 1m wide zone

Material = one entry only

1 2 3 4 5 6 7 8 9 10

BT BANK

Mat. 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL

Channel substrate 1 2 3 4 5 6 7 8 9 10

Flow type 1 2 3 4 5 6 7 8 9 10

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Mat. 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, 1P, 2L, 2P, 3L, 3P, 4L, 4P, 5L, 5P, 6L, 6P, 7L, 7P, 8L, 8P, 9L, 9P, 10L, 10P

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) 1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

LEFT BANK FACE (structure) 1L 2L 3L 4L 5L 6L 7L 8L 9L 10L

RIGHT BANK FACE (structure) 1R 2R 3R 4R 5R 6R 7R 8R 9R 10R

RIGHT BANK-TOP (structure within 1m) 1R 2R 3R 4R 5R 6R 7R 8R 9R 10R

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or L (present))

NONE (tick as appropriate)

Living/deciduous/leaves

Emergent broad-leaved herbs

Emergent reeds/rushes/grasses

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine/linear-leaved

Filamentous algae

Use end 'with-hall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

P49C17L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SI E NO. 3393

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or L if present)

L R

Broadleaf/deciduous woodland (BL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or L if present)

L R

Natural/unmodified

Artificial/modified

Resectioned

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

Left Right

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - free-fall

Cascades(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Rune(s) - disturbed, rippled

Boil(s) - upwellings

Glides(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

P49C17L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 2.5

Banktop height (m) 0.5

Water width (m) 0.5

Banktop height (m) 0.5

Embanked height (m)

Water depth (m)

Embanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (1/E only)

M ARTIFICIAL FEATURES (Use 11 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Footbridges = Roadbridges =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Beg ☐ Other (state):

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use L or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: The channel is a small, straight, single channel with a sand and gravel bed. The banks are grassy and the water is clear.

Plants of note: Little reed, watercress, willow, poplar.

Major conservation features: Section is a good example of a small, straight, single channel with a sand and gravel bed.

Major impacts: None.

Incidental observations (animals etc) etc.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

TO COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6EB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3394
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: *Long*
Date: 21.9.1995 Time: 15.30 Surveyor name: *...*
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars

National Rivers Authority

P4021 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material 1 = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. # <i>1E, 3O, 4G, 5L, 6F, 7C, 8P, 9W, 10A, 11R, 12J</i>	EA	4F	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NO, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i>	KS	LS	KS	KS	KS	KS	KS	KS	KS	KS
Bank feature(s) <i>NO, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i>	10	10	10	10	10	10	10	10	10	10
CHANNEL										
Channel substrate <i>NO, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i>	51	51	51	51	51	51	51	51	51	51
Flow type <i>1E, 3O, 4G, 5L, 6F, 7C, 8P, 9W, 10A, 11R, 12J</i>	51	51	51	51	51	51	51	51	51	51
Channel modification(s) <i>NO, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i>	KS	LS	KS	KS	KS	KS	KS	KS	KS	KS
Channel feature(s) <i>NO, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i>	10	10	10	10	10	10	10	10	10	10
RIGHT BANK										
Mat. # <i>1E, 3O, 4G, 5L, 6F, 7C, 8P, 9W, 10A, 11R, 12J</i>	EA	4F	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NO, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i>	KS	LS	KS	KS	KS	KS	KS	KS	KS	KS
Bank feature(s) <i>NO, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</i>	10	10	10	10	10	10	10	10	10	10
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L, 11L, 12L, 13L, 14L, 15L, 16L, 17L, 18L, 19L, 20L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LAND USE WITHIN 5m OF BANKTOP (L)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LEFT BANK-TOP (structure within 1m) <i>1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L, 11L, 12L, 13L, 14L, 15L, 16L, 17L, 18L, 19L, 20L</i>	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LEFT BANK FACE (structure) <i>1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L, 11L, 12L, 13L, 14L, 15L, 16L, 17L, 18L, 19L, 20L</i>	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
RIGHT BANK-TOP (structure within 1m) <i>1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L, 11L, 12L, 13L, 14L, 15L, 16L, 17L, 18L, 19L, 20L</i>	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LAND USE WITHIN 5m OF BANK TOP (R)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or / (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rubus <i>1E, 3O, 4G, 5L, 6F, 7C, 8P, 9W, 10A, 11R, 12J</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved <i>1E, 3O, 4G, 5L, 6F, 7C, 8P, 9W, 10A, 11R, 12J</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P4021 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Woodland/scrub (WH)			Improved/reed-improved grass (IG)		
Scrub (SC)	✓	✓	Tilled land (TL)	✓	✓
Rough pasture (RP)			Suburban/urban development (SU)		
I BANK PROFILES (Use E (≥ 33% banklength) or / if present)					
Natural/unmodified			Artificial/modified		
Vertical/undrained	✓	✓	Recessed	✓	✓
Vertical + toe	✓	✓	Reinforced - whole bank	✓	✓
Steep (> 45°)	✓	✓	Reinforced - top only	✓	✓
Scarp	✓	✓	Reinforced - toe only	✓	✓
Composite	✓	✓	Artificial two-stage	✓	✓
Use this space to draw profile 1 if chosen from above, other using pre-drawn box			Poached	✓	✓
			Embanked	✓	✓
			Set-back embankments	✓	✓
J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	✓	✓	E ≥ 33%	None	Present E
Isolated/scattered	✓	✓	Shading of channel	✓	✓
Regularly spaced, single	✓	✓	Overhanging boughs	✓	✓
Occasional clumps	✓	✓	Exposed bankside roots	✓	✓
Stem-contiguous	✓	✓	Underwater tree roots	✓	✓
Continuous	✓	✓	Fallen trees	✓	✓
			Coarse woody debris	✓	✓
K EXTENT OF CHANNEL FEATURES (Tick one box per feature)					
Waterfall(s) - freefall	✓	✓	Marginal deadwater - slack	✓	✓
Cascades(s) - chute	✓	✓	Exposed bedrock	✓	✓
Step/pool sequence	✓	✓	Exposed boulders	✓	✓
Rapid(s) - whitewater	✓	✓	Unvegetated mid-channel bars	✓	✓
Riffle-pool sequence	✓	✓	Vegetated mid-channel bars	✓	✓
Flow(s) - disturbed, rippled	✓	✓	Mature island(s)	✓	✓
Boil(s) - upwellings	✓	✓	Unvegetated side bars	✓	✓
Glide(s) - smooth, no eddies	✓	✓	Vegetated side bars	✓	✓

P4021 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.5	Banktop height (m)
Embanked height (m)	2.1	Embanked height (m)
If waterline lower than banktop break in slope, indicate: height (m) width (m)		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>		
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)		
M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)		
None <input type="checkbox"/> Number of Culverts = Weirs = Outfalls = Fords =		
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>		
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)		
dredging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State: weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))		
CHANNEL FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state) ...		
Erosion/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>		
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>		
Leafy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>		
P CHOKED CHANNEL (Tick one box)		
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>		
Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)		
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State: ...		
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)		
Descriptive sentences: <i>Shallow uniform bankside channel.</i>		
Plants of note: <i>1E, 3O, 4G, 5L, 6F, 7C, 8P, 9W, 10A, 11R, 12J</i>		
Major conservation features: ...		
Major impacts: ...		
Incidental observations (animals etc): ...		
S DISEASED ALDERS (Tick one box)		
None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other disease trees? State: ...		

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P4021 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 2401

Mid-section grid reference of network site if different from designated location:

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: 57054785 River: GLOUCESTER

Date 12/12/1995 Time: 10:00 Surveyor name: M. J. P. J.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

1. Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [] then indicate total number)

Riffles 9 Unvegetated point bars 3

Pools 9 Vegetated point bars 0

National Rivers Authority

74021 TL 10/9

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Substrate Material ☐ coarse only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Channel substrate	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Flow type	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
Channel modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Channel substrate	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use chosen from: H, P, M, S, W, O, B, L, U										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK TOP (structure within 1m)										
LEFT BANK FACE (structure)										
RIGHT BANK FACE (structure)										
RIGHT BANK TOP (structure within 1m)										
LAND USE WITHIN 5m OF BANK TOP (R)										
G CHANNEL VEGETATION TYPES (tick relevant boxes with one entry per E (to 33% area) or F (percent))										
NONE (tick as appropriate)										
Emergent broad-leaved herbs										
Emergent reed/straw/brakes										
Emergent reed/straw/brakes										
Flowering reed (reed)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Flowering algae										

74021 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (to E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/bank			Reinforced - whole bank		
Vertical + toe			Reinforced - toe only		
Steep (>45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
Use this space to draw profile of left or right bank, other taking predetermined line			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E
None			E > 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step-pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Runs(s) - disturbed, rippled			Mature island(s)		
Bank(s) - upwellings			Unvegetated side bars		
Gills(s) - smooth, no eddies			Vegetated side bars		

74021 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	7.0	7.0
Banktop height (m)	2.0	2.0
Banktop width (m)	2.0	2.0
Banktop height (m)	2.0	2.0

If bankline lower than banktop bank is slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compacted) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (H/E only)

M ARTIFICIAL FEATURES (Use [] indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Feeds = 1

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

Cutting ☐ mowing ☐ Other? State:

Reed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Blocked/dry channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: MAINTAINING LOW CHANNELS THROUGHOUT THE YEAR

Plants of note: LOTS OF YELLOW FLAG EMERGING

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S DISEASED ALGAE (tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6UB

74021 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3402

Mid-section grid reference of network site if different from designated location: S 505 712

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S 505 712 River: WILKINSON

Date: 6/10/1995 Time: 14:00 Surveyor name: J. J. J.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

i. Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick at appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave bowl ☐ asymmetrical floodplain

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use [4] then indicate total number)

Rifles 0 Unvegetated point bars 1

Pools 0 Vegetated point bars 0

National Rivers Authority

PA402 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1: at upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide pool)

Spot	1	2	3	4	5	6	7	8	9	10
Left Bank										
Right Bank										
Channel										
Channel substrate										
Flow type										
Channel modification										
Channel form										
Right Bank										
Bank modification										
Bank form										

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide margin)

Land use: choose 1-10 from 1L, 1P, 2L, 2P, 3L, 3P, 4L, 4P, 5L, 5P, 6L, 6P, 7L, 7P, 8L, 8P, 9L, 9P, 10L, 10P

Land use	1L	1P	2L	2P	3L	3P	4L	4P	5L	5P	6L	6P	7L	7P	8L	8P	9L	9P	10L	10P
Left Bank Top (distance within 1m)																				
Right Bank Top (distance within 1m)																				
Left Bank Face (distance within 1m)																				
Right Bank Face (distance within 1m)																				
Left Bank Top (distance within 1m)																				
Right Bank Top (distance within 1m)																				

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% cover) or F (percent))

Vegetation Type	E	F
None (tick one box)		
Emergent macrophytes		
Emergent broad-leaved herbs		
Emergent reeds/rushes		
Flowering broad-leaved		
Free-floating		
Angiosperms		
Submerged broad-leaved		
Submerged fine-leaved		
Phanerogams		

The end 'backhead' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PA402 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F (percent))

Land Use	E	F
Broadleaved woodland (BL)		
Coniferous plantation (CP)		
Moorland/heath (MH)		
Scrub (SC)		
Rough pasture (RP)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Improved/unimproved grass (IG)		
Tilled land (TL)		
Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or F (percent))

Bank Profile	E	F
Natural/unmodified		
Vertical/bankcut		
Vertical + toe		
Steep (>45°)		
Sculls		
Composite		
Artificial/unmodified		
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Poached		
Embanked		
Ret-bank embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

Trees	Left	Right	Associated Features	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

Channel Features	None	Present
Waterfall(s) - freefall		
Cascade(s) - chute		
Step-pool sequence		
Rapids(s) - whitewater		
Riffle-pool sequence		
Runs(s) - disturbed, rippled		
Boils(s) - upwelling		
Glide(s) - smooth, no eddies		
Marginal deadwater - slack		
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bars		
Vegetated mid-channel bars		
Mature island(s)		
Unvegetated side bars		
Vegetated side bars		

PA402 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site to a straight uniform section, preferably across a riffle)

Left Bank	Banking width (m)	Right Bank
Banking height (m)		
Banking width (m)		
Banking height (m)		
Banking width (m)		

If banking lower than banking break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) (Specify if other)

M ARTIFICIAL FEATURES (Use [4] indicate total number, tick 'none' where appropriate)

None ☐ Culverts ☐ Weirs ☐ Outfalls ☐ Piers ☐

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

Grading ☐ mowing ☐ Other? State:

Wood-cutting ☐ enhancement ☐ None ☐

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

Channel	Floodplain (50m corridor)
Wardens > 5m high	Artificial open water
Bank/ditch channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Marsh
	Flats

P CHANNEL CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (use prompts and key words as appropriate)

Descriptive sentence:

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (tick one box)

None ☐ Present ☐ Potential ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IRR, RIVER LABORATORY, EAST STOKES, WARKHAM, BH20 6HH

PA402 TL

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Platform category _____

Distance from source(km) _____ Significant tributary ? _____ Navigation ? _____

B. FIELD SURVEY DETAILS

Reference network site number: 2403

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 53219750 River: _____

Date 9/15/1995 Time: 12:00 PM Surveyor name: J. V. X. + 1956

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

2. Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIPPLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Ripples 0 Unvegetated point bars 2

Pools 1 Vegetated point bars 1

National Rivers Authority

7-9013 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed every channel within a 2m wide zone)

Mat. = Material * in one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	BE,BO,CO,CS,JE,LC,CC,FP,ST,GR,RR,SW	EA	CS	EA	CF	CA				
Bank modification(s)	NO,RL,PL,PC,HL,VL	NO	PC	PC	NC	NO				
Bank feature(s)	KN,NO,EC,AC,FR,FP,ST,GR	NO	EC	NO	PC	NO				
CHANNEL										
Channel substrate #	BE,BO,CO,CS,JE,LC,CC,FP,ST,GR,RR,SW	GP	GP	GP	GP	GP				
Flow type #	IF,CH,SW,SP,CF,FR,FP,ST,GR,NO	SP	EP	GP	SP	EP				
Channel modification(s)	KN,NO,CO,CS,JE,LC,CC,FP,ST,GR,RR,SW	NO	NO	NO	NO	NO	CV	CV	CV	CV
Channel feature(s)	NO,NO,EC,AC,FR,FP,ST,GR	NO	NO	NO	NO	NO				
RIGHT BANK										
Mat. #	BE,BO,CO,CS,JE,LC,CC,FP,ST,GR,RR,SW	CS	CS	EA	EA	CA				
Bank modification(s)	NO,RL,PL,PC,HL,VL	NO	NO	NO	NO	NO				
Bank feature(s)	KN,NO,EC,AC,FR,FP,ST,GR	NO	NO	NO	NO	NO				
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, GR, NO, SP, SW, GR, NO, SP, SW										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m)	BL,GR,NO	C	U	S	S					
LEFT BANK FACE (structure)	BL,GR,NO	P	P	P	P					
RIGHT BANK-TOP (structure within 1m)	BL,GR,NO	C	U	S	S					
RIGHT BANK FACE (structure)	BL,GR,NO	P	P	P	P					
LAND USE WITHIN 5m OF BANK TOP (R)										
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 33% area) or if present)										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Pice-flowering										
Amphibians										
Submerged broad-leaved										
Submerged fine-leaved-leaved										
Filamentous algae										

7-9013 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 2403

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/brown-improved grass (IG)		
Scrub (SC)			Tilted land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unscoured			Rescoured		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after filling predominant box			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - freefall			Marginal deadwater - slack				
Cascade(s) - chute			Exposed bedrock				
Step/pool sequence			Exposed boulders				
Rapid(s) - whitewater			Unvegetated mid-channel bars				
Riffle-pool sequence			Vegetated mid-channel bars				
Runs(s) - disturbed, rippled			Mature island(s)				
Boil(s) - swellings			Unvegetated side bars				
Glide(s) - smooth, no eddies			Vegetated side bars				

7-9013 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Banktop width (m)	2.00	Banktop width (m)	2.00
Banktop height (m)	1.25	Banktop height (m)	1.25
Banktop slope (m)	1.25	Banktop slope (m)	1.25
Banktop height (m)	1.25	Banktop height (m)	1.25

If trashes lower than banktop break in slope, indicate: height (m) 1.25 width (m) 2.00

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFR only)

M. ARTIFICIAL FEATURES (Use 1/2 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Ponds = 0

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state) _____
Braked/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/> Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: MINOR STREAM WITH UNIFORM CHANNEL OVER GRAVEL RIFLES. LOT OF TREES (ULAN-2). DISAPPEARS INTO CULVERT BEHIND MIDPOINT.

Plants of note: COUNTRY, WIDE GRASS

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STORKE, WAREHAM, BH20 6BB

7-9013 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3409

Mid-section grid reference of network site if different from designated location:

Grid Reference: River: FEVER EYE

Date: 11/11/95 Time: 9.15 Surveyor name: JH

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick at appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIPPLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Ripples: 11/11/11 Unvegetated point bars

Pools: Vegetated point bars: 11/2

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end of site (tick one box)

E PHYSICAL ATTRIBUTES (to be entered across channel with a 1m wide cross)

Mat. ☐ Material ☐ one entry only

1 2 3 4 5 6 7 8 9 10

LEFT BANK

Mat. ☐ Material ☐ one entry only

Bank modification ☐ NO NATURAL

Bank feature ☐ BOUNDARY OF CHANNEL

CHANNEL

Channel substrate ☐ NO NATURAL

Flow type ☐ FLOWING

Channel modification ☐ NO NATURAL

Channel feature ☐ NO NATURAL

RIGHT BANK

Mat. ☐ Material ☐ one entry only

Bank modification ☐ NO NATURAL

Bank feature ☐ BOUNDARY OF CHANNEL

F BANK TOP LAND USE AND VEGETATION STRUCTURE (to be entered over a 10m wide transect)

Land use: choose one from 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

LAND USE WITHIN 5m OF BANK TOP (A) 1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

LEFT BANK TOP (structure within 5m) 1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

LEFT BANK FACE (structure) 1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

RIGHT BANK TOP (structure within 5m) 1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

RIGHT BANK FACE (structure) 1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

LAND USE WITHIN 5m OF BANK TOP (B) 1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (green))

NONE (tick at appropriate)

Live/semi-living vegetation

Emergent broad-leaved beds (in 33% area)

Emergent reed/bed/straw

Flowering-leaved (green)

Free-floating

Amphibious

Submerged broad-leaved

Submerged filamentous-leaved (in 33% area)

Flowering-leaved

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

F40121 TL 10/5

F40121 TL

NRA RIVER HABITAT SURVEY 1995: 50m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (green))

1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R 1S 1T 1U 1V 1W 1X 1Y 1Z

I BANK PROFILES (the R (in 33% banklength) or F (green))

Natural/undisturbed L R Artificial/disturbed L R

Vertical/undisturbed L R Reinforced L R

Vertical + toe L R Reinforced + toe L R

Steep (>45°) L R Reinforced - top only L R

Gentle L R Reinforced - toe only L R

Composite L R Artificial toe stage L R

Use this space to draw profile of channel from above, for fishing predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None Left Right

Isolated/scattered ☐ ☐

Regularly spaced, single ☐ ☐

Occasional clumps ☐ ☐

Semi-continuous ☐ ☐

Continuous ☐ ☐

ASSOCIATED FEATURES (tick one box per feature)

None Present II

Shading of channel ☐ ☒

Overhanging boughs ☐ ☒

Exposed bankside roots ☐ ☒

Underwater tree roots ☐ ☒

Fallen trees ☐ ☒

Come woody debris ☐ ☒

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

None Present II

Waterfall(s) - free-fall ☐ ☐

Cascade(s) - chute ☐ ☐

Step/pool sequence ☐ ☐

Rapid(s) - whitewater ☐ ☐

Riffle-pool sequence ☐ ☐

Run(s) - disturbed, rippled ☐ ☐

Drift(s) - spillings ☐ ☐

Glide(s) - smooth, no eddies ☐ ☐

Marginal deadwater - slack ☐ ☐

Exposed bedrock ☐ ☐

Exposed boulders ☐ ☐

Unvegetated mid-channel bars ☐ ☐

Vegetated mid-channel bars ☐ ☐

Maternal island(s) ☐ ☐

Unvegetated side bars ☐ ☐

Vegetated side bars ☐ ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be entered at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Right Bank

Banktop height (m) 0.7 Water width (m) 5.5 Banktop height (m) 0.5

Banked height (m) 0.15 Water depth (m) 0.15 Banked height (m) 0.15

If transition lower than banktop look in this, indicate: height (m) width (m)

Bed material at site is: consolidated (green) ☐ unconsolidated (green) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (H/E only)

M ARTIFICIAL FEATURES (Use 1/2 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts ☐ Weirs ☐ Outfalls ☐ Ponds ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

channeling ☐ mowing ☐ Other? State:

weeding ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL FLOODPLAIN (50m centre)

Waterfalls > 2m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Roadside channels ☐ Natural open water ☐ Carr ☐

Drainage dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Pen ☐ Ploch ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Riverbank river through mixed deciduous woodland, (then) often present given way to fish? Many trout

Flats of note:

Major conservation features: semi-natural wood habitat

Incidental observations (animals etc): Kingfisher

S DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

F40121 TL

F40121 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 2410

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: River Bolton

Date: 21.11.1995 Time: 10.00 Surveyor name: 110

Adverse conditions affecting survey? No ☒ Yes ☐ if yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIPPLES, POOLS AND POINT BARS (Use 1-10, then indicate total number)

Ripples 1+1+1+1 4 Unvegetated point bars

Pools 1 Vegetated point bars

National Rivers Authority

PARCEL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Material: ☐ silt/clay only ☐ silt/clay & gravel ☐ gravel & silt/clay ☐ gravel & coarse sand ☐ coarse sand & gravel ☐ coarse sand & silt/clay ☐ coarse sand & gravel & silt/clay

LEFT BANK

Material: ☐ silt/clay only ☐ silt/clay & gravel ☐ gravel & silt/clay ☐ gravel & coarse sand ☐ coarse sand & gravel ☐ coarse sand & silt/clay ☐ coarse sand & gravel & silt/clay

Bank profile (m): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Bank factor (m): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

CHANNEL

Channel substrate: ☐ silt/clay only ☐ silt/clay & gravel ☐ gravel & silt/clay ☐ gravel & coarse sand ☐ coarse sand & gravel ☐ coarse sand & silt/clay ☐ coarse sand & gravel & silt/clay

Flow type: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Channel modification: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Channel factor (m): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

RIGHT BANK

Material: ☐ silt/clay only ☐ silt/clay & gravel ☐ gravel & silt/clay ☐ gravel & coarse sand ☐ coarse sand & gravel ☐ coarse sand & silt/clay ☐ coarse sand & gravel & silt/clay

Bank profile (m): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Bank factor (m): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Land use within 5m of banktop (1): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

LEFT BANK-TOP (structure within 1m): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

LEFT BANK FACE (structure): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

RIGHT BANK FACE (structure): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

RIGHT BANK-TOP (structure within 1m): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

LAND USE WITHIN 5m OF BANK TOP (2): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (to 33% area) or 4 (percent))

NONE (tick as appropriate): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Emergent broad-leaved herbs: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Emergent rush/sedge/herb: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Flowering-leaved (flooded): ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Free-floating: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Amphibious: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Submerged broad-leaved: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Submerged floating-leaved: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Filamentous algae: ☐ NO ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES ☐ YES

Use end 'tick-alp' column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

PARCEL 10/5

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 2410

II LAND USE WITHIN 50m OF BANKTOP (to E (to 33% banklength) or 4 if present)

☐ L ☐ R ☐ L ☐ R

Proven/developed woodland (24)

Wetland (eg bog, marsh, fen) (25)

Coniferous plantation (26)

Open water (27)

Woodland/scrub (28)

Improved/semi-improved grass (29)

Scrub (30)

Tilled land (31)

Rough pasture (32)

Suburban/urban development (33)

I BANK PROFILES (Use E (to 33% banklength) or 4 if present)

Natural/undisturbed ☐ L ☐ R ☐ L ☐ R

Artificial/modified ☐ L ☐ R

Vertical/undisturbed ☐ L ☐ R

Vertical + line ☐ L ☐ R

Steep (> 45°) ☐ L ☐ R

Gentle ☐ L ☐ R

Composite ☐ L ☐ R

Use this space to draw profile of different bank shapes, after filling predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right

Isolated/scattered ☐ ☐

Regularly spaced, single ☐ ☐

Occasional clumps ☐ ☐

Semi-continuous ☐ ☐

Continuous ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature)

E to 33% ☐ None ☐ Present ☐

Shading of channel ☐ ☐

Overhanging boughs ☐ ☐

Exposed bankside roots ☐ ☐

Underwater tree roots ☐ ☐

Fallen trees ☐ ☐

Coarse woody debris ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ None ☐ Present ☐

Canal(s) - stone ☐ ☐

Strap/pool sequence ☐ ☐

Rap(s) - whitewater ☐ ☐

Riffle(s) - riffle ☐ ☐

Ran(s) - disturbed, rippled ☐ ☐

Reel(s) - upwellings ☐ ☐

Glide(s) - smooth, no eddies ☐ ☐

Marginal deadwater - silt ☐ None ☐ Present ☐

Exposed bedrock ☐ ☐

Exposed boulders ☐ ☐

Unvegetated mid-channel bars ☐ ☐

Vegetated mid-channel bars ☐ ☐

Mature island(s) ☐ ☐

Unvegetated side bars ☐ ☐

Vegetated side bars ☐ ☐

PARCEL 10/5

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be assessed at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) RIGHT BANK

Banktop height (m) Water width (m) Banktop height (m)

Banked height (m) Water depth (m) Banked height (m)

If banktop lower than banktop back in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1H only)

M ARTIFICIAL FEATURES (Use 1-10, then indicate total number, tick "none" where appropriate)

None ☐ Number of ☐ Culvert ☐ Weir ☐ Outfall ☐ Road ☐

Is water level controlled by weir/dam/dam/sluice? No ☐ Yes ☐ Part of the ☐ Merit/whole of the ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ mowing ☐ Other? State: ☐

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 1m high ☐ Artificial open water ☐ Ring ☐ Other (state): ☐

Artificial side channels ☐ Natural open water ☐ Cut ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State: ☐

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: under 100m - upper part through slightly incised wooded gorge, lower part through urban area again incised.

Plants of note: Reedbeds + other garden plants along banks.

Major conservation features: Superficially varied bed topography + features.

Major impacts: some fish, probably lost (6+).

Incidental observations (animals etc): some fish, probably lost (6+).

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORM TO IUGN DAWSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, BH20 6BB

PARCEL 10/5

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope(m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number:

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 3411 River: Bear Wyke

Date: 2.12.1995 Time: 12.10 Surveyor name: HU

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☒ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 111 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Bank modification										
Bank features										
CHANNEL										
Channel modification										
Channel features										
RIGHT BANK										
Bank modification										
Bank features										
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from 1L, 1R, 2L, 2R, 3L, 3R, 4L, 4R, 5L, 5R, 6L, 6R, 7L, 7R, 8L, 8R, 9L, 9R, 10L, 10R										
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP structure within 1m										
LEFT BANK FACE (structure)										
RIGHT BANK FACE (structure)										
RIGHT BANK-TOP structure within 1m										
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	BL	BL	BL	BL	BL	BL	BL	BL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry as E (≥ 33% area) or F (green))										
NONE (tick as appropriate)										
Live perennials/deciduous										
Emergent broad-leaved herbs										
Emergent reeds/grasses										
Flowering-leaved (perennial)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged floating-leaved										
Filamentous algae										

The end 'catchment' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

7-04121L 10/5

7-04121L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/steep			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Flatside			Reinforced - toe only		
Composite			Artificial two-stage		
Use (as grass in flow profile if observed from above, other if not)			Pearshol		
			Embanked		
			Stratified embankment		

K EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present II
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

L EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present II		None	Present II
Waterfall(s) - freefall			Marginal deadwater - stock		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rap(s) - whitewater			Unvegetated mid-channel bars		
Riffle/pool sequence			Vegetated mid-channel bars		
Ram(s) - disturbed, rippled			Mature island(s)		
Island(s) - upwelling			Unvegetated side bars		
Grill(s) - mouth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	3.50	
Banktop height (m)	0.75	0.75
Banked height (m)	1.50	1.50
Water width (m)	0.75	
Water depth (m)	0.20	
Banked height (m)		1.50

If no visible lower than banktop bank in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (granular) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (H/R only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of ☐ Culverts ☐ Bridges ☐ Weirs ☐ Outfalls ☐ Ponds ☐

In water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: ☐

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 2m high ☐ Artificial open water ☐ Bog ☐ Other (state): ☐

Bedrock/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: 15m x 1.5m x 0.75m channel filled in with gravel + cobbles, causing more flow variation as coarse debris becomes

Plants of note: water + but 2m/s

Major conservation features: Road above on R8

Major impacts: Left bank slope washed

Incidental observations (animals etc): geese, birds with water channel + railway cut bank

S DISPERSED ALIENS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (named trees) State: ☐

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7-04121L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3414
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: Rother
Date: 1.5.1995 Time: 12:10 Surveyor name: J.D.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 1 Unvegetated point bars
Pools: 1 Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate #	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV
Flow type #	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, MH, SC, SP, WL, OW, IO, TL, DU										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m)										
LEFT BANK FACE (structure)										
RIGHT BANK FACE (structure)										
RIGHT BANK-TOP (structure within 1m)										
LAND USE WITHIN 5m OF BANK TOP (R)										
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use 5 (≥ 33% area) or 4 (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged float/linear-leaved										
Filamentous algae										
Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)										

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SITE NO. 3414 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use 5 (≥ 33% banklength) or 4 if present)

	L	R		L	R
Broadleaved woodland (BL)	5	5	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use 5 (≥ 33% banklength) or 4 if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after making predetermined box			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right		Left	Right
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Course woody debris		

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall			Marginal deadwater - slack		
Waterfall(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Russ(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P4902.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

ANNEAL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Bank height (m)	1.60	2.00
Water width (m)	2.00	2.00
Banktop height (m)	0.75	0.75
Banktop width (m)	1.20	1.20

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (comp) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) 1:1

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 5 Outfalls = 1 Ponds = 1
Footbridges = 11 Roadbridges = 11 Part of site ☐ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flurb ☐

F. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Channel characteristics appear, visible to get into water.
Plants of note: A few keel comprised of cut but also rubble + with
Major conservation features: Much of bank inaccessible to heavy engineering
Major impacts: Urbanisation
Incidental observations (animals etc): water very cloudy hence no channel
veg except algae

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased tree? State:

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3416
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: River: 3416 River
 Date 18.1.1995 Time: 14.5 Surveyor name: J.D.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (tick one box) (2)
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material 1 = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
CHANNEL										
Channel substrate 1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Flow type 1	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
Channel modification(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel feature(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
RIGHT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, SH, DG, SP, NL, OW, HL, TL, SW

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) FIVE	1	1	1	1	1	1	1	1	1	1
LEFT BANK FACE (structure) FIVE	1	1	1	1	1	1	1	1	1	1
RIGHT BANK FACE (structure) FIVE	1	1	1	1	1	1	1	1	1	1
RIGHT BANK-TOP (structure within 1m) FIVE	1	1	1	1	1	1	1	1	1	1
LAND USE WITHIN 5m OF BANK TOP (R)	1	1	1	1	1	1	1	1	1	1

G CHANNEL VEGETATION TYPES (all in relevant boxes with one entry: use E (in 33% area) or / (present))

NONE (tick as appropriate)										
Liverworts/mosses/tetras										
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emergent sedge/rushes	/	/	/	/	/	/	/	/	/	/
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae	/	/	/	/	/	/	/	/	/	/

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or / if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)	/	/

I BANK PROFILES (Use E (in 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	/	/	Reinforced - whole bank	/	/
Vertical + toe	/	/	Reinforced - top only	/	/
Steep (>45°)	/	/	Reinforced - toe only	/	/
Gravel	/	/	Artificial two-stage	/	/
Composite	/	/	Peached	/	/
Use this space to draw profile if different from above, after taking predetermined box			Embanked	/	/
			Set-back embankments	/	/

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
None	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	8.1	
Banktop height (m)	6.1	
Embanked height (m)	0.6	0.75

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bad material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1FE only)

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Ferds =
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Other (state)
Waterfalls > 5m high	Artificial open water	Bog
Braided/wide channels	Natural open water	Carr
Debris dams	Water meadow	Marsh
Loose debris	Fen	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State








R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: See extra sheet
 Plants of note:
 Major conservation features:
 Major impact:
 Incidental observations (animals etc):
 Brown hwt

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STORRE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995			Page 1 of 4
A BACKGROUND MAP-BASED INFORMATION			
Altitude (m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source (km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: <u>3417</u>			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference:		River: <u>meden</u>	
Date <u>19.5.1995</u>	Time: <u>15.45</u>	Surveyor name: <u>110</u>	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state			
Bed of river visible? No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/> (tick one box)			
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)			
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (pick as appropriate)			
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [11] then indicate total number)			
Riffles	Unvegetated point bars		
Pools	Vegetated point bars		

Page 2 of 4

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (Tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	S = root entry only	1	2	3	4	5	6	7	8	9	10
LEFT BANK											
Mat. =	1E, 2D, 3C, 4G, 5J, 6I, 7L, 8C, 9F, 10T, 11P, 12H, 13M	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760,										















0.45479 73

SIB No. 3417 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP On E (in 33% banklength) or if present

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CF)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Shrub (SC)			Tilled land (TL)		<input checked="" type="checkbox"/>
Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		<input checked="" type="checkbox"/>

I BANK PROFILES Use E (in 33% banklength) or if present

	L	R		L	R
Natural/unmodified 			Artificial/modified 		
Vertical/cut/revetted 			Reinforced - whole bank 		
Vertical + toe 			Reinforced - top only 		
Steep (> 45°) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only 		
Gentle 			Artificial two-stage 		
Embankment 			Poached 		
Use site scale to draw profile if different from above, else taking predetermined box			Embanked 	<input checked="" type="checkbox"/>	
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right	E ≥ 33%	None	Present B
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-cohesive	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present B		None	Present B
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Flow(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

P=0.0001, TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 1 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Backstop width (m)		RIGHT BANK
Backstop height (m)	1.00	Water width (m)	9 m	Backstop height (m)
Embanked height (m)	0.60	Water depth (m)	0.60	Embanked height (m)

If timelapse lower than backstop break to slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ either ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1-10 indicates total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
Footbridges = _____ Roadbridges ☒ Part of site ☐ Other = pipes, etc. ☐
Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

bedding ☐ mowing ☐ Other? State _____
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>	Dog <input type="checkbox"/>	Other (state) _____
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Care <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-1000) *1000*

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Gravelly, steep-sided, heavily embanked on right bank*
Plants of note: *Hedera in all right slightly higher*
Major conservation features: *not so at upstream*
Major impacts: *1st 200m no intervention, 1st 100m*
Incidental observations (animals etc): *Redwings caught in pond on left bank*

S1 DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (diseased tree) State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 4BB

3-43423-77L

data base
charts

PLANTS - Use 1st 4 letters of Genus of *Potamogeton*
if certain if possible as *Potamo* sect = *Potamogeton* section

Have you completed your requests for this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1985: DIMENSIONS AND INFLUENCES Page 4 of 4

CLASSIFICATION: 50 RIGHT BANK

LEFT BANK

Banktop width (m) 2.5 Banktop height (m) 1.4

Banktop height (m) 1.4 Water width (m) 0.5 Embankment height (m) 1.4

Submerged height (m) 0.5 Water depth (m) 0.5

If no oblique lower than banktop break in slope, indicate height (m) 0.5 width (m) 0.5

Bed material at site is: consolidated (pumpet) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ rapid ☒ glide ☐ other ☐ pick one box Slope (IFB only)

ARTIFICIAL FEATURES (If 1 indicate total number, list above where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Pondridges = Reach dikes = Other =
Part of site ☐ Most/whole of site ☐

Is water level controlled by weirs/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RIVER MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Order ? State 1

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box)

CHANNEL: FLOODPLAIN (don't circle)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) 1

Braided/delta channels ☐ Natural open water ☐ Carr ☐

Delicta dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Muck ☐

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State 1

RIVER DESCRIPTION: (tick prompt and 2 or more as appropriate) (See Section 5)

Descriptive statement: This river has been straightened & its bank resectioned. The downstream section of this site is in a broad leaf. The banks here appear to have been resectioned individually. Some time ago as a complex community has been formed. The upstream section has no trees & is for a simple community. The left side is filled land the right is

Major conservation features: 1

Major impact: 1

Incidental observations (animals etc): 1

IF 2 checked, supply the D-filled ☒

DISPERSED ALLEYS (tick one box)

None ☒ Present ☐ Extensive ☐ Other (state track) 1

SEND COMPLETED FORM TO: HUGH DAWSON, IFR, RIVER LABORATORY, EAST STOKES, WAREHAM, B220 6BH

Envelope sealed. Post completed form for processing - labels re-filled after

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Plankton category _____

Distance from source (km) _____ Significant tributary ? _____ Navigation ? _____

B FIELD SURVEY DETAILS

Reference network site number: _____

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: _____

Date: 12.1.1995 Time: 10.30 Surveyor name: _____

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 15 Unvegetated point bars: _____

Pools: _____ Vegetated point bars: _____

National Rivers Authority

P4M12.1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

For each 1 m of stream bed 11 observations and 11 of site (tick one box)

E TEN SPOT CHECKS (to be observed across channel within a 1m wide transect)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = BL, BR, CL, CR, DL, DR, EL, ER, FL, FR, GL, GR, HL, HR, IL, IR, PL, PR, SL, SR, TL, TR, VL, VR, WL, WR, XL, XR, YL, YR, ZL, ZR										
Bank profile (m/s)										
Bank feature(s)										
CHANNEL										
Channel substrate										
Flow type										
Channel modification(s)										
Channel feature(s)										
RIGHT BANK										
Mat. = BL, BR, CL, CR, DL, DR, EL, ER, FL, FR, GL, GR, HL, HR, IL, IR, PL, PR, SL, SR, TL, TR, VL, VR, WL, WR, XL, XR, YL, YR, ZL, ZR										
Bank profile (m/s)										
Bank feature(s)										
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CL, DL, EL, FL, GL, HL, IL, PL, PR, SL, SR, TL, TR, VL, VR, WL, WR, XL, XR, YL, YR, ZL, ZR										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m)										
LEFT BANK FACE (structure)										
RIGHT BANK FACE (structure)										
RIGHT BANK-TOP (structure within 1m)										
LAND USE WITHIN 5m OF BANK TOP (R)										
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/cyperus										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P4M12.1L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO: 1423

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undulant			Resealed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after making perpendicular box			Peaked		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right		None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-cohesive			Fallen trees		
Ceaflovers			Coarse woody debris		

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bars		
Vegetated mid-channel bars		
Mature island(s)		
Unvegetated side bars		
Vegetated side bars		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P4M12.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Water width (m)	Right Bank
Banktop height (m)	2.5		2.5	Banktop height (m)
Embanked height (m)			0.5	Embanked height (m)
If bankline lower than banktop break in slope, indicate height (m) width (m)				
Bed material at site: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only): _____				

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Footbridges = _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: _____

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Reg	Other (state)
Waterfall > 5m high	Artificial open water		
Braided/side channels	Natural open water		
Debris dams	Water meadow		
Loose debris	Fra		

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Winding channel, straight in lower section. Most have been removed a long time ago. Erosion now eroding nature. Major conservation features: trees on both banks. Major impacts: 2.5m eroding cliffs in places. Incidental observations (animals etc): River runs through tiled land.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P4M12.1L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3425

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Boygriff Drain

Date: 15/3/1995 Time: 15:15 Surveyor name: PWD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P40427L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1

Spot check 1 is at: upstream end ☒ downstream end ☐ or site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

LEFT BANK

Mat. ¹ SL, SD, CO, CL, JL, CL, CC, SP, SF, G, J, R, BW

Bank modification(s) NO, RJ, J, FC, AW, EN

Bank feature(s) BK, NO, EC, SC, FR, VP, JR, VE

CHANNEL

Channel substrate ¹ NV, SL, SD, CO, CL, JL, CL, AR

Flow type ¹ IF, CH, BW, SW, CF, J, P, F, S, J, R, NO

Channel modification(s) NK, NO, CV, J, R, E, J, P

Channel feature(s) NO, J, O, JR, VP, JR, VE

RIGHT BANK

Mat. ¹ SL, SD, CO, CL, JL, CL, CC, SP, SF, G, J, R, BW

Bank modification(s) NO, RJ, J, FC, AW, EN

Bank feature(s) BK, NO, EC, SC, FR, VP, JR, VE

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, 100, SC, LP, WL, OW, JO, JL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) BV, SC

LEFT BANK FACE (structure) BV, SC

RIGHT BANK TOP (structure within 1m) BV, SC

RIGHT BANK FACE (structure) BV, SC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or / (present))

NONE (tick as appropriate)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes ¹ P, O, G, M, R, U

Floating-leaved (rooted) STARWORTS

Free-floating

Amphibious

Submerged broad-leaved ¹ N, U, C, A

Submerged fine/linear-leaved ¹ A, R, V, C, L, U

Filamentous algae

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P40427L

SITE NO. 3425 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	/	/	Reinforced	E	E
Vertical + toe	/	/	Reinforced - toe break	/	/
Step (> 45°)	/	/	Reinforced - top only	/	/
Gastis	/	/	Reinforced - toe only	/	/
Composites	/	/	Artificial two-stage	/	/
Use this space to draw profile of different from above, after taking predetermined box			Postbed	/	/
			Embanked	/	/
			Set back embankments	/	/

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present
E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bell(s) - upwelling	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

P40427L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	8.50	RIGHT BANK
Banktop height (m)	2.5	Water width (m)	2.50
Embanked height (m)	0.10	Water depth (m)	0.10
If trashline lower than banktop break in slope, indicate height (m) width(m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)			
None <input checked="" type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =
	Footbridges =	Roadbridges =	Fords =
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Downstream <input checked="" type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)			
dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other ? State	
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>		
O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))			
CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	
P CHOKED CHANNEL (tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>			
Q NOTABLE RUSSIAN PLANT SPECIES (Use / or E)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State			
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive sentence: Sluiceway over deep drain, waterfalls, vegetation, pointed at present - overgrown & choked with vegetation.			
Plants of note:			
Major conservation features:			
Major impacts:			
Incidental observations (animals etc):			
S DISEASED ALDERS (tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State			

P40427L

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3426
Mid-section grid reference of network site if different from designated location: 4

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Whitloughby Drain
Date (A.J./M./Y) 1995 Time: 14:00 Surveyor name: J.D.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars

National Rivers Authority

P4012 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ (e.g. CO, CL, LF, GL, CC, SP, SF, GP, GP, SF, SF, SF)	BA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (e.g. NO, RI, RI, FC, FC, FC, FC)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (e.g. NO, NO, EC, EC, EC, EC, EC, EC)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ (e.g. NO, NO, CO, CO, GP, GP, GP, GP)	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Flow type ¹ (e.g. SF, SF, SF, SF, SF, SF, SF, SF)	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF
Channel modification(s) (e.g. NO, NO, EC, EC, EC, EC)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (e.g. NO, NO, EC, EC, EC, EC)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ (e.g. CO, CL, LF, GL, CC, SP, SF, GP, GP, SF, SF)	BA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (e.g. NO, RI, RI, FC, FC, FC, FC)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (e.g. NO, NO, EC, EC, EC, EC, EC, EC)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from TL, CP, SN, EC, AP, WL, CW, NO, TL, TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) (e.g. BA, BA, BA)	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) (e.g. BA, BA, BA)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) (e.g. BA, BA, BA)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) (e.g. BA, BA, BA)	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or G (green))										
NONE (tick as appropriate)										
Upriver/mosses/lichens										
Emergent broad-leaved herbs (e.g. C. sp., C. sp., C. sp.)										
Emergent reeds/sedges/rushes (e.g. C. sp., C. sp., C. sp.)										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved (e.g. C. sp., C. sp., C. sp.)										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 100m (use E or G)										

P4012 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3426

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or G (green))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Ceasituous plantation (CP)			Open water (OW)		
Moorsland/heath (MH)			Improved/reed-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or G (green))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composites			Artificial two-stage		
Use this space to draw profile if different from above, after cutting predetermined box			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bail(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5m	RIGHT BANK
Banktop height (m)	3m		Banktop height (m)
Banktop width (m)	3m		Banktop width (m)
Banktop depth (m)	0.5m		Banktop depth (m)
Banktop length (m)			Banktop length (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1:100) only

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Part of site ☐ Other =
Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Mott/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ mowing ☐ Other? State:
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/wide channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Straight over deep channel, uniform section, no wash line
Plants of note: or bank in slope so max height gives.
Major conservation features: Very compact silt bed.
Major impacts:
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P4012 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3435

Mid-section grid reference of network site if different from designated location:

COMPLETION THE FOLLOWING FOR ALL SITES

Grid Reference: SJ 247613 River: TEARAG

Date: 5.1.1995 Time: 13:30pm Surveyor name: W. J. S. A.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

1. Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 0 Unvegetated point bars 5

Pools 0 Vegetated point bars 1

National Rivers Authority

F4512 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <u>SL, SD, CO, CL, SF, FT, CL, CL, SF, FT, CL, CL, SF, FT</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, SL, SF, FT, CL, CL, SF, FT</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, CL, CL, SF, FT, CL, CL, SF, FT</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ <u>SL, SD, CO, CL, SF, FT, CL, CL, SF, FT</u>	CL	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type ¹ <u>11, 12, 13, 14, 15, 16, 17, 18, 19, 20</u>	UW	CF	CF	CF	CF	CF	CF	CF	CF	CF
Channel modification(s) <u>NO, NO, CL, CL, SF, FT, CL, CL, SF, FT</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NO, NO, CL, CL, SF, FT, CL, CL, SF, FT</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <u>SL, SD, CO, CL, SF, FT, CL, CL, SF, FT, CL, CL, SF, FT</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, CL, CL, SF, FT, CL, CL, SF, FT</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, CL, CL, SF, FT, CL, CL, SF, FT</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be surveyed over a 10m wide transect)										
Land use: choose one from SL, CL, SF, FT, CL, CL, SF, FT, CL, CL, SF, FT, CL, CL, SF, FT	SL	CL	RP	RP	SL	SL	SL	SL	SL	SL
LAND USE WITHIN 5m OF BANKTOP (S)	SL	CL	RP	RP	SL	SL	SL	SL	SL	SL
LEFT BANKTOP (structure within 2m) <u>RAVINE</u>	U	S	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>RAVINE</u>	U	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <u>RAVINE</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANKTOP (structure within 2m) <u>RAVINE</u>	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANKTOP (S)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs <u>Fragaria</u>										
Emergent reeds/sedges/rushes										
Floating-leaved (occasional)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

F4512 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilted land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		

Use this space to draw profile of different from above, after ticking predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Rue(s) - disturbed, rippled				Mature island(s)			
Beil(s) - spilling				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

F4512 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK	Banktop width (m)	5.00	RIGHT BANK
Banktop height (m)	0.70		Banktop height (m)
Embankment height (m)	0.05		Embankment height (m)
If bankline lower than banktop break in slope, indicate: height (m) width (m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)			
None <input checked="" type="checkbox"/> Number of Culverts = Weirs = Outfalls = Fords =			
Footbridges = Roadbridges = Other =			
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/> mowing <input type="checkbox"/> Other 7 State			
wood-cutting <input type="checkbox"/> enhancement <input type="checkbox"/> MISC			
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL FLOODPLAIN (50m corridor)			
Waterfalls > 5m high		Artificial open water	
Braided/side channels		Natural open water	
Debris dams		Water meadow	
Leafy debris		Fen	
		Bog	
		Care	
		Marsh	
		Flash	
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other 7 State			
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive sentence: <u>MEANDERING ACTIVE GRASSY SMALL RUE (THROUGH FLOODPLAIN?)</u>			
Fleets of notes:			
Major conservation features:			
Major impacts:			
Incidental observations (animals etc):			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State			

F4512 TL

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6RB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3436

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ 324 691 River: CROCKENFERRY DRAIN

Date: 01/11/1995 Time: 07:30 (11:20-12:00) Surveyor name: J.D.W. + J.P.S.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

1 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

National Rivers Authority

P4012.1L 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide cone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ F.F.S.D.C.G.L.F.F.C.C.P.F.W.G.A.R.A.R.A.W	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) M.O.A.L.F.C.P.L.M	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) M.O.E.C.C.P.F.P.P.V	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ M.F.P.O.C.O.P.F.A.M.C.L.A.R	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Flow type ¹ F.F.C.L.W.P.C.F.P.P.A.M.F.A.D	C1	C1	C1	C1	C1	C1	C1	C1	C1	C1
Channel modification(s) M.O.A.L.F.C.P.L.M	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) M.O.E.C.C.P.F.P.P.V	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ F.F.S.D.C.G.L.F.F.C.C.P.F.W.G.A.R.A.R.A.W	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) M.O.A.L.F.C.P.L.M	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) M.O.E.C.C.P.F.P.P.V	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from M, L, CP, SM, SC, RP, HL, GW, M, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	SC	SC	TL	SC	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) B.M.O.C	U	U	S	S	S	U	S	U	S	S
LEFT BANK FACE (structure) B.M.O.C	U	S	U	S	U	S	S	U	S	U
RIGHT BANK FACE (structure) B.M.O.C	U	U	S	S	S	U	S	U	S	S
RIGHT BANK-TOP (structure within 1m) B.M.O.C	U	S	C	S	C	S	S	S	S	C
LAND USE WITHIN 5m OF BANK TOP (S)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or J (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent sedge/reeds/rushes < 75% = J =										
Floating-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/needle-leaved										
Filamentous algae										
Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)										

P4012.1L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3436

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J if percent)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Congestuous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilted land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or J if percent)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/uniform			Raschioned		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after indicating predominant line			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
Isolated/scattered		Shading of channel	
Regularly spaced, single		Overhanging boughs	
Occasional clumps		Exposed bankside roots	
Semi-continuous		Underwater tree roots	
Continuous		Fallen trees	
		Coarse woody debris	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall				Marginal dead-water - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Rus(s) - disturbed, rippled				Mature island(s)			
Bank(s) - upwellings				Unvegetated side bars			
Gravel(s) - smooth, no debris				Vegetated side bars			

P4012.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	RIGHT BANK

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (1FE only)

M. ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Ponds =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/rhiz channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or J)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: LOW-LEVEL RECENTLY REPAIRED WITH UNCHANGED WATER FLOW AT SITE. END OF SURVEY SECTION WATER FLOW UNCHANGED.

Plants of note: NETTLES, RANUNCULUS

Major conservation features:

Major impacts:








Incidental observations (animals etc):

S. DISPERSED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P4012.1L

NRA RIVER HABITAT SURVEY 1995		Page 1 of 4	
A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: 3443			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference:		River: Churnet	
Date 16.1.1995	Time: 10:30	Surveyor name: P.D.	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state			
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)			
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)			
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)			
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input checked="" type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/4 then indicate total number)			
Riffles - 1 1/4 + 1 1/4 = 3		Unvegetated point bars	
Pools		Vegetated point bars 1	

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = <i>SL, RD, CO, GS, LF, CL, CC, SP, SF, GL, RR, BB, NW</i>	EA	EA	EF	EA	CO	LO	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	EC	EF	SG	SB	LD	NO	NO	NO
CHANNEL										
Channel substrate = <i>NV, RD, CO, GF, SL, GL, CL</i>	CO	CO	CO	CO	CO	CO	CC	CO	GP	CO
Flow type = <i>TF, CL, RW, UW, CF, SF, SF, SF, NO</i>	RP	RP	SA	EP	EF	CF	SW	SW	SW	CF
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. = <i>SL, RD, CO, GS, LF, CL, CC, SP, SF, GL, RR, BB, NW</i>	EA	CO	EA	SP	EF	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANK/POOL LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CF, JSE, CL, SP, NW, NO, SL, NW

Land use WITHIN 5m OF BANK/POOL (L)	SL	CF	JSE	CL	SP	NW	NO	SL	NW
LEFT BANK-TOP (structure within 1m) <i>RAIO-C</i>	S	U	U	U	S	S	S	S	S
LEFT BANK FACE (structure) <i>RAIO-C</i>	U	B	B	S	S	S	S	B	S
RIGHT BANK FACE (structure) <i>RAIO-C</i>	U	B	B	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <i>RAIO-C</i>	S	S	S	S	S	S	S	S	S
Land use WITHIN 5m OF BANK/POOL (R)	SL	BL	BL	SL	BL	BL	BL	SL	BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or G (green))

None (tick as appropriate)										
Liverworts/mosses/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs				✓	✓	✓	✓	✓	✓	✓
Emergent reeds/rushes/forbes				✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Ambulchous										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Potamogeton algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓














Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

SITE NO. 1111 NKA RIVER HABITAT SURVEY 1992: DEER CREEK

H LAND USE WITHIN 50m of BANK OF Use E (≥ 33% banklength) or J if present

	L	R		L	R
Broadleaf/lined woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ceafstous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

BANK PROFILES Use E (≥ 33% banklength) or J if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Resectored 		
Vertical + toe 			Reinforced - whole bank 		
Sloep (> 45°) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Grassie 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use this space to draw profile if different from above, after taking predominant bias			Poached 		
			Embanked 		
			Set-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right		None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s) - ^{ripples}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HEALTH SURVEY FORM (To be measured at one site on a straight uniform section, preferably across a riffle)

L. CHANNEL DIMENSIONS

	Banktop width (m)	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)
Embanked height (m)	Water depth (m)	Embanked height (m)

If threshold lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (FFE only) _____

M. ARTIFICIAL FEATURES (Use ☒ indicate total number, tick "none" where appropriate)

None <input checked="" type="checkbox"/>	Number of	Curbs =	Wires =	Outfalls =	Fords =
	Footbridges =	Roadbridges =	Others =		

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drudging ☐ mowing ☐ Other ? State _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Big <input checked="" type="checkbox"/> Other (state) _____
Braided/side channels <input type="checkbox"/>	Natural open water <input checked="" type="checkbox"/>	Carri <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flurb <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use / or &)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive notes: *Winding stream through grassland + wooded banks, heavily spaced riffles flanked by grass + moss + silt*

Plants of note: *very little channel vegetation, some boggy areas at*

Major conservation features: *hillsides, conifers + iris clumps.*

Major impacts: _____

Incidental observations (animals etc): *Brown trout*

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 348
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Maura
Date 11/5/1995 Time: 14:30 Surveyor name: JD
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1/11 (4) Unvegetated point bars
Pools Vegetated point bars

National Rivers Authority

F49428.7L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only	1	2	3	4	5	6	7	8	9	10
LEFT BANK:	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = <i>EA, CO, CL, LE, CL, CC, ST, ST, CL, JR, JR, JR</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK:	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = <i>EA, CO, CL, LE, CL, CC, ST, ST, CL, JR, JR, JR</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SM, SC, RP, WL, GW, NO, TR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK FACE (structure)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
RIGHT BANK FACE (structure)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
RIGHT BANK-TOP (structure within 1m)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or Q (green))

VEGETATION TYPE	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bushes/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or Q)

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or Q if present)

LAND USE	L	R	LAND USE	L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J. BANK PROFILES (Use E (≥ 33% banklength) or Q if present)

BANK PROFILE	L	R	Artificial/modified	L	R
Natural/unmodified			Reinforced		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
Use this space to draw profile if different from above, after taking professional box					
	Embanked				
	Set-back embankments				

K. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	None	Left	Right	ASSOCIATED FEATURES	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
				Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

L. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

CHANNEL FEATURES	None	Present	None	Present
Waterfall(s) - freefall without	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Step/pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>
Riffle-pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

M. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	RIGHT BANK
	7.75	5.5	1.75	
Banktop height (m)		Water depth (m)	Embankment height (m)	
		2.5	0.5	

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

N. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = 1/11 (4) Outfalls = 7/11 (5)
Footbridges = Roadbridges = 1/11 (2) Other =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

O. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State:
wood-cutting ☐ enhancement ☐

P. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water		
Braided/side channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Fen		

Q. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

R. NOTABLE NUISANCE PLANT SPECIES (Use E or Q)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State:

S. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Upper reach channelised through woodland into was + waterbed connected with old mill - 3/4 reach heavily engineered (banks)
Plants of note:
Major conservation features:
Major impacts:
Incidental observations (animals etc): car wash effluent from upstream of reach, unable to contact NRA.

T. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6RB

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3450

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: 1.1.1.1

Date: 1.1.1995 Time: 1.1.1.1 Surveyor name: 1.1.1.1

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 1.1.1.1

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1.1.1.1 then indicate total number)

Riffles (1) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box) R 1.1.1.1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ☐ = one entry only

LEFT BANK

Mat. 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Bank modification(s) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Bank feature(s) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

CHANNEL

Channel substrate 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Flow type 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Channel modification(s) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Channel feature(s) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

RIGHT BANK

Mat. 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Bank modification(s) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Bank feature(s) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

LEFT BANK FACE (structure) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

RIGHT BANK FACE (structure) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

RIGHT BANK-TOP (structure within 1m) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (percent))

NONE (tick as appropriate)

Liverworts/mosses/lichens ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent broad-leaved herbs ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒ ☒

Emergent reeds/sedges/rushes ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Flowering-leaved (rooted) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Free-floating ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Amphibious ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Submerged broad-leaved ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Submerged fine/linear-leaved ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Filamentous algae ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Use end "catchall" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3450

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

I. BANK PROFILES (Use E (≥ 33% banklength) or V if present)

Natural/unmodified 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Vertical/undercut 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Vertical + toe 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Steep (> 45°) 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Gentle 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Composite 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1 1.1.1.1

Use this space to draw profile if different from above, after making predetermined box

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐

Isolated/scattered ☐ ☐ ☐

Regularly spaced, single ☐ ☐ ☐

Occasional clumps ☐ ☐ ☐

Semi-continuous ☐ ☐ ☐

Continuous ☒ ☒ ☒

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33% None Present E

Shading of channel ☐ ☐ ☒

Overhanging boughs ☐ ☐ ☒

Exposed bankside roots ☐ ☐ ☒

Underwater tree roots ☐ ☐ ☒

Fallen trees ☐ ☐ ☒

Coarse woody debris ☐ ☐ ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Cascade(s) - chute ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Step/pool sequence ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Rapid(s) - whitewater ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Riffle(s) - riffled ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Run(s) - disturbed, rippled ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Bolt(s) - spillways ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Slide(s) - smooth, no eddies ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Marginal dead-water - slack ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Exposed bedrock ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Exposed boulders ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unvegetated mid-channel bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Vegetated mid-channel bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Mature island(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unvegetated side bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Vegetated side bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 1.1.1.1

Banktop height (m) 1.1.1.1

Water width (m) 1.1.1.1

Water depth (m) 1.1.1.1

Embanked height (m) 1.1.1.1

Embanked height (m) 1.1.1.1

If trawling lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 1.1.1.1

M. ARTIFICIAL FEATURES (Use 1.1.1.1 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1.1.1.1 Weirs = 1.1.1.1 Outfalls = 1.1.1.1 Ponds = 1.1.1.1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: 1.1.1.1

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) 1.1.1.1

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1.1.1.1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: 1.1.1.1

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Single (row) of trees on bank, mostly submerged, mostly bare

Plants of note: 1.1.1.1

Major conservation features: Not much to recommend it

Major impacts: 1.1.1.1

Incidental observations (animals etc): a cat

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: 1.1.1.1

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

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BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary?	Navigation?

FIELD SURVEY DETAILS

Reference network site number: 3454

Mid-section grid reference of network site if different from designated location:

 COMPLETE THE FOLLOWING FOR ALL SITES








Grid References: TC17S 616 River: TC17114
 Date: 1.1.1955 Time: 13:17 Surveyor: 0410 7B, 7N, PH, 16 AK 7th
 (under seal) 6C, 6M, 40, N6, FND
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)



~~Photographs:~~ ^{general features} general character? No ☒ Yes ☐ (tick one box) with Site No. 1 ^{General features noted in general of features} _{Beach}

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/convex		+ NATURAL PLACED

NUMBER OF RUFFLES, POOLS AND POINT BARS: (Use 1/4) then indicate total number.

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

BITES. Record	proposed	revised	date/no change

NR-000000 HABITAT SURVEY 1995, TEN SPOT CHECKS Page 2 of 4

[illegible]

BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide section)

[illegible]

CHANNEL VEGETATION TYPES (fill in relevant box with one code; use R for none)

[illegible]

FLATTS - Use 1st 1/2 of Census \rightarrow Pote \rightarrow Pote negation
 & census of remitt. as Pote sent \rightarrow Pote negation settlement

LAND USE WITHIN 50m OF BANKTOP. *Big 5* *Big 5*

	L	R		L	R
Incised/minid woodland (BL)			Woodland (eg bog, marsh, fen) (BL)		
Psyllid/orn plantation (CP)			Open water (OR)		
Moorland/heath (BH)			Inland dune/mire/peat grass (IG)		
Scrub (SC)	E	E	Tidal land (TL)		
Longish pasture (LP)	✓		Subsided/urban development (SU)	E	E

Use R (2 1/2" length) or 1/4" pin

Normal/unmodified	L	R	Artificially modified	L	R
Vertical/undercut			Retruded		
Vertical 4 mm			Retruded - whole back		
Sharp (>45°)			Retruded - top on'y		
Gusta			Retruded - too on'y		
Composite			Artificial two-stage		
Use it to square to these points at 60mm from crown, other at 10mm from crown base			For shed		
			Embroidered		
			Retruded embankments		

LIST OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per trait)			ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	NO TREES		None	Present	NO TREES
None	<input type="checkbox"/>	<input type="checkbox"/>		E 2-15%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shoals of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sand-scattered	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Live trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				Corals woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

	No	Present	II		No	Present	II	Notes
terfall(s) ~ five-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater ~ slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
under(s) ~ chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
~ pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
sl(s) ~ water-wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unexposed mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
le-pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(s) ~ disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Min re (shadows)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(s) ~ sprints/tings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(s) ~ smooth, no address	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses form this week? (send to FND for signature!)

ANNEL DIMENSIONS in he measured at one site on a straight river section, preferably across a riffle

Height (m)	2.0	Water width (m)	3.0	Right bank	0.6
Water depth (m)	1.0	Water depth (m)	1.0	Bank height (m)	3.50
Flow or than bank level in slope, length (m) width (m)					
At site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input checked="" type="checkbox"/>					
Measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick and box) Slope (if B only) -----					

OFFICIAL FEATURES (the ☒ indicate total number, tick "None" where appropriate)

Number of Culverts = Weirs = Outfalls = Ponds =
 Poochbridges = Roadbridges = Other =
 Is controlled by weir/dam/low extension? ☐ Part of site ☐ Mouth/whole of site ☐

10. PRESENCE OF RECENT MANAGEMENT. (Tick appropriate box):

☐ snowing ☐ Other 2. State _____
☐ en masse ☐ _____
 NATURES OF SPECIAL INTEREST (tick appropriate boxes):

FLOODPLAIN (50m across)

erfalte > 5m high	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (slate)
bedside channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	
erit dums	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	
de behale	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Mosh	<input type="checkbox"/>	

CC00719	CC00720	CC00721	CC00722	CC00723	CC00724	CC00725	CC00726	CC00727	CC00728	CC00729	CC00730	CC00731	CC00732	CC00733	CC00734	CC00735	CC00736	CC00737	CC00738	CC00739	CC00740	CC00741	CC00742	CC00743	CC00744	CC00745	CC00746	CC00747	CC00748	CC00749	CC00750	CC00751	CC00752	CC00753	CC00754	CC00755	CC00756	CC00757	CC00758	CC00759	CC00760	CC00761	CC00762	CC00763	CC00764	CC00765	CC00766	CC00767	CC00768	CC00769	CC00770	CC00771	CC00772	CC00773	CC00774	CC00775	CC00776	CC00777	CC00778	CC00779	CC00780	CC00781	CC00782	CC00783	CC00784	CC00785	CC00786	CC00787	CC00788	CC00789	CC00790	CC00791	CC00792	CC00793	CC00794	CC00795	CC00796	CC00797	CC00798	CC00799	CC00800
CC00719	CC00720	CC00721	CC00722	CC00723	CC00724	CC00725	CC00726	CC00727	CC00728	CC00729	CC00730	CC00731	CC00732	CC00733	CC00734	CC00735	CC00736	CC00737	CC00738	CC00739	CC00740	CC00741	CC00742	CC00743	CC00744	CC00745	CC00746	CC00747	CC00748	CC00749	CC00750	CC00751	CC00752	CC00753	CC00754	CC00755	CC00756	CC00757	CC00758	CC00759	CC00760	CC00761	CC00762	CC00763	CC00764	CC00765	CC00766	CC00767	CC00768	CC00769	CC00770	CC00771	CC00772	CC00773	CC00774	CC00775	CC00776	CC00777	CC00778	CC00779	CC00780	CC00781	CC00782	CC00783	CC00784	CC00785	CC00786	CC00787	CC00788	CC00789	CC00790	CC00791	CC00792	CC00793	CC00794	CC00795	CC00796	CC00797	CC00798	CC00799	CC00800

35 or more of the channels checked with vegetation? NO ☒ YES ☐

TABLE 1. NUISANCE PLANT SPECIES *Yes/No* *Yes/No*
Red Algalinae, Pongia

ant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State Heliotropium (E.)...

100-443887-100

1. FIBER REINFORCED TUBES (FRP-TUBES) AND SET-UP OF EXPERIMENT

LINE CANNAL IS USED FOR RAINWATER DRAINAGE. ALSO
FUNDS THE LENGTH OF THE SITE ON THE RIGHT SIDE.
BANKS KNOWN. A DISCUSSED "RAINY RUN ALONG"
RIVER (animals etc): GOLF, JUNGLE, LEFT BANK - SEE EACH
ELEMENT.

PAVED ALDERS (TICK TREE BOX)

Person ☐ Extensive ☐ Other (describe) _____ State _____

ORDERED FOR: HUGH DAWSON, IRE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6DN
 Envelopes supplied! Post included for printing - labels supplied at cost
 TOTAL P.05

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3455

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *Saint*

Date: 14.1.95 Time: 3:15 Surveyor name: *HD*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles (5) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P-4121.7L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ SL, SO, CO, GS, EA, FE, CL, CC, SP, ST, GA, BR, AR, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ² NY, SE, SO, CO, GP, SA, SL, CL, AR	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type ³ FF, CH, BV, UP, CP, AF, SP, SM, NP, NO	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ SL, SO, CO, GS, EA, FE, CL, CC, SP, ST, GA, BR, AR, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CP, SO, SC, SP, VL, CW, NO, TL, SU	SC	SC	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	S	S	S	S	S	S	S	S	S	S
LEFT BANK-TOP (structure within 1m) BA/SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BA/SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	SC	TL	TL	TL	TL	TL	TL	TL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catchall" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P-4121.7L

SITE NO. 3455 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mailed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Revetment		
Vertical + toe			Revetment - whole bank		
Steep (> 45°)			Revetment - top only		
Gentle			Revetment - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined box			Perched		
			Embarked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfalls(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s) - riffle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) - swellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

P-4121.7L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Embankment height (m)
LEFT BANK	0.5	3m	0.5	0.2	0.5
RIGHT BANK					

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (temp) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☒ Culverts = Weirs = Outfalls = Ferds =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/belt of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Pin <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Care <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Straight over deep drainage channel.*

Plants of note: *very uniform cross section + vegetation.*

Major conservation features: *Would never erode banks - max height 2m.*

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6EB

P-4121.7L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3456
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: Lymington
Date 13.08.1995 Time: 10.00 Surveyor name: J.J.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorgo ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars (2)

National Rivers Authority

74502.1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * EA, BA, CA, DA, EA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * SA, BA, CA, DA, EA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Flow type * IF, OF, PF, QF, RF, SF, TF, UF, VF, WF, XF, YF, ZF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF
Channel modification(s) NO, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. * EA, BA, CA, DA, EA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CL, PL, SL, TL, VL, WL, XL, YL, ZL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LAND USE WITHIN 5m OF BANKTOP (L)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LEFT BANK TOP (structure within 1m) FL, CL, PL, SL, TL, VL, WL, XL, YL, ZL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LEFT BANK FACE (structure) FL, CL, PL, SL, TL, VL, WL, XL, YL, ZL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
RIGHT BANK FACE (structure) FL, CL, PL, SL, TL, VL, WL, XL, YL, ZL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
RIGHT BANK TOP (structure within 1m) FL, CL, PL, SL, TL, VL, WL, XL, YL, ZL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LAND USE WITHIN 5m OF BANK TOP (R)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

74502.1L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

ITE NO. 3456

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F (percent))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilted land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F (percent))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Peached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after ticking predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

74502.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	4.75	
Banktop height (m)	0.40	0.75
Embanked height (m)		0.30

If bankline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ Slope (1FE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fra
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: 11m long and 4m wide (mostly in rippled bars). Most have been excavated and are now over deep.
Plants of note:
Major conservation features:
Major impacts:
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3457
 Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Steeping
 Date: 11/15/1995 Time: 11:15 Surveyor name: KD
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles (2) Unvegetated point bars
 Pools Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <i>SL, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	SA	CA	EP	EA	TA	EA	LA	SA	EA	EA
Bank modification(s) <i>NO, AR, AL, FC, SL, EM</i>	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS
Bank feature(s) <i>NO, AL, FC, SL, EM, J, R, AR, AW</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ <i>SL, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	CP	GP	EP	SP	SP	EP	EP	SA	EA	EA
Flow type ¹ <i>IF, CH, SW, UN, CF, SP, J, R, AR, AW</i>	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF
Channel modification(s) <i>NO, AR, AL, FC, SL, EM</i>	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS
Channel feature(s) <i>NO, AR, AL, FC, SL, EM, J, R, AR, AW</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <i>SL, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	SA	CA	EP	EA	TA	EA	LA	SA	EA	EA
Bank modification(s) <i>NO, AR, AL, FC, SL, EM</i>	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS
Bank feature(s) <i>NO, AR, AL, FC, SL, EM, J, R, AR, AW</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from <i>SL, CP, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	SL	CP	SD	CO	GL	LA	F	CL	CC	SP
LAND USE WITHIN 5m OF BANKTOP (L)	SL	CP	SD	CO	GL	LA	F	CL	CC	SP
LEFT BANK-TOP (structure within 1m) <i>SL, CP, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	SL	CP	SD	CO	GL	LA	F	CL	CC	SP
LEFT BANK FACE (structure) <i>SL, CP, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	SL	CP	SD	CO	GL	LA	F	CL	CC	SP
RIGHT BANK FACE (structure) <i>SL, CP, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	SL	CP	SD	CO	GL	LA	F	CL	CC	SP
RIGHT BANK-TOP (structure within 1m) <i>SL, CP, SD, CO, GL, LA, F, CL, CC, SP, SW, G, J, R, AR, AW</i>	SL	CP	SD	CO	GL	LA	F	CL	CC	SP
LAND USE WITHIN 5m OF BANK TOP (R)	SL	CP	SD	CO	GL	LA	F	CL	CC	SP
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs <i>W, J, R, AR, AW</i>										
Emergent reeds/sedges/rushes <i>W, J, R, AR, AW</i>										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved <i>W, J, R, AR, AW</i>	E	/	E	E	E	E	E	E	E	E
Filamentous algae	/	/	/	/	/	/	/	/	/	/

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 100m (use E or /)

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3457

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (C)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	/
Scrub (SC)	/		Tilled land (TL)		E
Rough pasture (RP)	/		Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut	/	/	Reinforced	E	E
Vertical + toe	/		Reinforced - whole bank	/	
Steep (> 45°)	/		Reinforced - top only	/	
Gentle	/		Reinforced - toe only	/	
Composite	/		Artificial two-stage	/	
Use this space to draw profile if different from above, after ticking predominant box			Peached	/	
			Embanked	/	
			Set-back embankments	/	

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-cohesive	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s) - spilling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	1.1	5.2	Banktop height (m)
Banktop width (m)	1.1	5.2	Banktop width (m)
Banktop height (m)	1.1	5.2	Banktop height (m)
Banktop width (m)	1.1	5.2	Banktop width (m)

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = ☐ Part of site ☐ Merewhole of site ☐

Is water level controlled by weir/dam downstream? No ☐ Yes ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading ☐ mowing ☐ Other? State
 Weed-control ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water <input type="checkbox"/>
Braided/wide channels	Natural open water <input type="checkbox"/>
Debris dams	Water meadow <input type="checkbox"/>
Leaky debris	Pen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flats <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Reached overtop channel mainly straight, uniform in section - bed changes from gravel (lower parts) to shallower gravelly sections.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3458

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Date: 1.1.1995 Time: 13.30 Surveyor name: J.P.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * <i>SL, CL, GL, PL, FL, CL, CC, SP, GP, GL, PL, FL</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NO, AL, PL, CL, FL</i>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <i>NO, NO, CL, CL, PL, PL, FL, FL</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate <i>SL, CL, GL, PL, FL, CL, CC, SP, GP, GL, PL, FL</i>	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type <i>IF, CH, SW, GP, GP, GP, GP, GP, GP, GP</i>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <i>NO, NO, CL, CL, PL, PL, FL, FL</i>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <i>NO, NO, CL, CL, PL, PL, FL, FL</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. * <i>SL, CL, GL, PL, FL, CL, CC, SP, GP, GL, PL, FL</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NO, AL, PL, CL, FL</i>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <i>NO, NO, CL, CL, PL, PL, FL, FL</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from *SL, CL, GL, PL, FL, CL, CC, SP, GP, GL, PL, FL*

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) <i>SL, CL</i>	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LEFT BANK FACE (structure) <i>SL, CL</i>	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK-TOP (structure within 1m) <i>SL, CL</i>	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK FACE (structure) <i>SL, CL</i>	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LAND USE WITHIN 5m OF BANK TOP (R)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Emergent broad-leaved herbs <i>SL, CL, GL, PL, FL</i>										
Emergent reeds/sedges/rushes <i>SL, CL, GL, PL, FL</i>										
Floating-leaved (rooted) <i>SL, CL, GL, PL, FL</i>										
Free-floating										
Amphibious										
Submerged broad-leaved <i>SL, CL, GL, PL, FL</i>										
Submerged fine-leaved <i>SL, CL, GL, PL, FL</i>										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

Site NO. 3458

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Deciduous/semi-deciduous woodland (DL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		E
Bracken (BC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		F

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		E
Vertical + toe			Reinforced - whole bank		E
Step (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Concrete			Artificial two-stage		
Use this space to draw profile (if different from above, after using predetermined box)			Reinforced		
			Embankment		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - stone	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Scill(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	2.5	Banktop height (m)
Banktop width (m)	4.0	Banktop width (m)
Banktop depth (m)	0.75	Banktop depth (m)
Banktop height (m)		Banktop height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (D/F only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Ponds = 0

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth-hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/stone channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Over deep section, river essentially panned, may be considered semi-artificial. No obvious bank in slope or machine.

Plants of note: *See above*

Major conservation features: *minorly straightened, completely choked channel.*

Major impacts: *upstream and downstream into culvert.*

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, BH20 6BB

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3464
Mid-section grid reference of network site (if different from designated location):
COMPLET THE FOLLOWING FOR ALL SITES
Grid Reference: SH196524 River: A.L. 107
Date: 11.11.1995 Time: 10.00 Surveyor name: J. H. 1995
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles ☐ Unvegetated point bars ☐
Pools ☐ Vegetated point bars ☐
National Rivers Authority

P-4021 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = not entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. =	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
Bank modification(s)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
Bank feature(s)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
CHANNEL										
Channel substrate	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
Flow type	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
Channel modification(s)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
Channel feature(s)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
RIGHT BANK										
Mat. =	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
Bank modification(s)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
Bank feature(s)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
LAND USE WITHIN 5m OF BANK TOP (L)										
LEFT BANK TOP (structure within 1m)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
RIGHT BANK TOP (structure within 1m)	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10
LAND USE WITHIN 5m OF BANK TOP (R)										
CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% area) or F (greater))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (free)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)										

P-4021 TL 10/5

TOO STEEP & FLOOD TOO FAST TO CROSS WITH VEGETATION GROWING IN

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITH NO. 3464

I LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

	L	R		L	R
Woodland/unimproved (UL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant here			Peached		
			Embanked		
			Set-back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	None	Left	Right	None	Present E	Present F
Isolated/scattered				Shading of channel		
Regularly spaced, single				Overhanging boughs		
Occasional clumps				Exposed bankside roots		
Semi-continuous				Underwater tree roots		
Continuous				Fallen trees		
				Coarse woody debris		

L EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present F
Watersfall(s) - free-fall			Marginal deadwater - silt	
Cascade(s) - chute			Exposed bedrock	
Step-pool sequence			Exposed boulders	
Rapid(s) - whitewater			Unvegetated mid-channel bars	
Riffle-pool sequence			Vegetated mid-channel bars	
Run(s) - disturbed, rippled			Mature island(s)	
Boil(s) - upwellings			Unvegetated side bars	
Glide(s) - smooth, no eddies			Vegetated side bars	

P-4021 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	4-75	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)	Banktop height (m)
Banktop height (m)	Water depth (m)	Banktop height (m)	Banktop height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: unconsolidated (saggy) ☐ unconsolidated (stone) ☐ unconsolidated (other) ☐ unconsolidated (other) ☐

Location of measurement in: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Piers =
Footbridges = Part of site ☐ Mouth of site ☐

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State
weed-cutting ☐ enhancement ☐ 1/1

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Pen
	Bog
	Corr
	Marsh
	Flint

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: UPLAND CORSELE - 52 - 521/1/2 RIVER

Plants of note:
Major conservation features:
Major impacts:
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P-4021 TL

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Platform category _____

Distance from source (km) _____ Significant tributary? ☐ Navigation? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 345

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: S5027509 River: CLWY

Date 2.1.95 Time: 10.00 Surveyor name: J. J. J.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 2 Unvegetated point bars 5

Pools 7 Vegetated point bars 0

National Rivers Authority

P4512 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Stat. = Material ☐ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
Bank modification(s) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
Bank feature(s) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
CHANNEL										
Channel substrate <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
Flow type <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
Channel modification(s) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
Channel feature(s) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
RIGHT BANK										
Stat. <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
Bank modification(s) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
Bank feature(s) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CP, SH, SC, SP, SW, OW, PL, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK TOP (structure within 1m) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
LEFT BANK FACE (structure) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
RIGHT BANK FACE (structure) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
RIGHT BANK TOP (structure within 1m) <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>										
LAND USE WITHIN 5m OF BANK TOP (R)										
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (green))										
NONE (tick as appropriate)										
Living etc./mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/brakes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved-leaved										
Filamentous algae										
Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)										

P4512 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES		ASSOCIATED FEATURES	
None	Present E	None	Present E
Isolated/scattered		Shading of channel	
Regularly spaced, single		Overhanging boughs	
Occasional clumps		Exposed bankside roots	
Semi-continuous		Underwater tree roots	
Continuous		Fallen trees	
		Coarse woody debris	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Mature island(s)			
Bank(s) - upwellings				Unvegetated side bars			
Slide(s) - smooth, no ridges				Vegetated side bars			

P4512 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	RIGHT BANK
Banktop height (m)		Banktop height (m)	
Banktop height (m)		Banktop height (m)	
Banktop height (m)		Banktop height (m)	

If transect lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (H/E only) _____

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Culverts = _____ Weirs = _____ Culverts = _____ Fords = _____

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Ilog ☐ Other (state) _____

Residual/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: SLP/POOL - RIFPLE POOL STREAM THROUGH FOREST

Plants of note: _____

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

S. DISSEMINATED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STORR, WAREHAM, BH20 0NB

P4512 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3466

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 65133537 River: HESBON

Date 2.1.1995 Time: 10.30 Surveyor name: J. J. J.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

I Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles 7 Unvegetated point bars 3

Pools 5 Vegetated point bars 0

National Rivers Authority

P4012L 16/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = Material	GS	LS	ES	LS	LS	LS	LS	LS	LS	LS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GS	LS	ES	LS	LS	LS	LS	LS	LS	LS
Flow type	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. = Material	GS	LS	ES	LS	LS	LS	LS	LS	LS	LS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CP, 100, 50, 20, 10, 5, 1, 0										
Land use within 5m of BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) BAUC										
LEFT BANK FACE (structure) BAUC										
RIGHT BANK FACE (structure) BAUC										
RIGHT BANK-TOP (structure within 1m) BAUC										
LAND USE WITHIN 5m OF BANK TOP (R)										
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use 1/10 33% area) or 4 (preferred)										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/cyperus										
Planting-leaved (potent)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'tail-on' column for types not occurring in spot checks as well as overall assessment over 200m (use E or 4)

P4012L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3466

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or 4 if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or 4 if present)

	L	R	Artificial/modified	L	R
Natural/unmodified			Recessed		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Peatbed		
Use this space to draw profile if different from above, after citing predominant box			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			E ≥ 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Bank(s) - upwelling			Unvegetated side bars		
Gravel(s) - smooth, no eddies			Vegetated side bars		

P4012L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banking width (m)	5-7.5	RIGHT BANK	
Banking height (m)	0-5		Banking height (m)	10-15
Banked height (m)	Water width (m)	0-5	Banked height (m)	
	Water depth (m)	0-5		

If transect lower than banking break in slope, indicate: height (m) width (m)

Hot material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFR only)

M. ARTIFICIAL FEATURES (Use 1/10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 1 Ponds = 0

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ North-side of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State:

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Isolated/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: GRAVEL - BEDROCK FLOODPLAIN RIVER.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P4012L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Soil geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3467

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ276548 River: NANT-Y-FRITH

Date: 5.1.1995 Time: 10.00 (1.1.1995) Surveyor name: MIM...T...

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

1 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIDGES, POOLS AND POINT BARS (Use 1-1, then indicate total number)

Ridges ☐ Unvegetated point bars 5

Pools ☐ Vegetated point bars ☐

National Rivers Authority.

P43027L

10/6

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☒ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ or one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ BE,BO,CO,CS,FA,FE,FL,GC,GS,GT,HA,HB,HW	EA	GS	EA	EA	BO	CO	GS	CO	EA	EA
Bank modification(s) NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO,NO,NO,NO,NO	FB	PS	EC	GS	SC	NO	NO	SC	SC	NO
CHANNEL										
Channel substrate ¹ NO,NO,NO,NO,NO	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type ¹ FE,CLAW,UP,CF,AF,UP,UP,NO	CH	RP	RP	RP	UP	UP	CH	UP	UP	UP
Channel modification(s) NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ BE,BO,CO,CS,FA,FE,FL,GC,GS,GT,HA,HB,HW	CL	CL	GS	CL	CL	CL	CL	EA	EA	EA
Bank modification(s) NO,NO,NO,NO,NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO,NO,NO,NO,NO	EC	EC	EC	LC	NO	VS	EC	SB	SB	SB
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL,GP,HA,HB,HW,NO,NO,NO,NO,NO										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL	BL	BL	SC	RL	BL	SC	RP	RP
LEFT BANK-TOP (structure within 1m) BA,BC	C	C	C	C	S	S	S	S	S	S
LEFT BANK FACE (structure) BA,BC	B	B	B	B	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA,BC	B	B	B	B	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BA,BC	S	C	S	C	S	C	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (less))										
NONE (tick as appropriate)										
Live/woody stems/leaves										
Emergent broad-leaved herbs										
Emergent reeds/bedges/rushes										
Flowering-leaved (flooded)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)										

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SITE NO. 3467 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

M. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

N. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut	2	2	Reinforced		
Vertical + toe	2	2	Reinforced - whole bank		
Steep (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Peached		
			Embanked		
			Set-back embankments		

O. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

P. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free fall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stop/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapids(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bell(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Banktop height (m)	Banktop height (m)
LEFT BANK	7.50	2.00	3.00
RIGHT BANK			
Banktop height (m)	0.50	0.20	0.20
Banktop height (m)			

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (GFE only)

M. ARTIFICIAL FEATURES (Use 1-1, indicate total number, tick "none" where appropriate)

None ☒ Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State:

wood-cutting ☐ enhancement ☐ NONE

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Dog <input type="checkbox"/>
	Cur <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flora <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: ACTIVE MEANDERING GRAVEL BED STREAM

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc): FAOS!

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BD

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3468

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ 2055+2 River: GUNAWA

Date: 5.15.1995 Time: 9:00 (h:m) Surveyor name: M. J. J. J.

Adverse conditions affecting survey? No ☒ Yes ☐ if yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

1 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

National Rivers Authority.

7-45028 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	GA	EA	EA	EA	EA	BO	CC	GA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	FR	CO	GP	GP	GP	BE	PA	AR	GP	GP
Flow type	FP	CF	SM	SM	SM	RP	SM	RP	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	GA	EA	EA	EA	EA	BO	CC	GA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from H, CP, M, SC, RP, WL, OW, M, IL, SU

LAND USE WITHIN 5m OF BANKTOP (S)

	SC	SC	SU	SU	SU	SU	SC	IG	SC
LEFT BANK-TOP structure within 1m	S	S	S	S	S	S	C	U	C
LEFT BANK FACE structure	S	S	S	S	S	S	C	S	C
RIGHT BANK FACE structure	S	S	S	S	S	S	C	S	C
RIGHT BANK-TOP structure within 1m	S	S	S	S	S	S	C	S	C
LAND USE WITHIN 5m OF BANK TOP (S)	SC	RP	SC	RP	RP	RP	RP	SC	RP

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))

NONE (tick as appropriate)										E
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

7-45028 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3468

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		E
Scrub (SC)		E	Tilled land (TL)		
Rough pasture (RP)		E	Suburban/urban development (SU)		E

I. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut		E	Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant form			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	None	Present E	None	Present E
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Semi-continuous			Underwater tree roots	
Continuous			Fallen trees	
			Coarse woody debris	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present E
Waterfall(s) - freefall			Marginal deadwater - slack	
Cascade(s) - chute			Exposed bedrock	
Step/pool sequence			Exposed boulders	
Rapid(s) - whitewater			Unvegetated mid-channel bars	
Riffle-pool sequence			Vegetated mid-channel bars	
Run(s) - disturbed, rippled			Natural island(s)	
Bank(s) - upwellings			Unvegetated side bars	
Slide(s) - smooth, no eddies			Vegetated side bars	

7-45028 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	7-50	RIGHT BANK
Banking height (m)	1-25		Banking height (m)
Embanked height (m)			Embanked height (m)
Water depth (m)	0-10		Water depth (m)

If installation lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (H/E only)

M. ARTIFICIAL FEATURES (Use [H] indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 0 Outfalls = 1 Folds = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading ☐ moving ☐ Other? State

Wood-cutting ☐ enhancement ☐ None ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLY NUISANCE PLANT SPECIES (Use [H] or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: SMALL PARTIALLY ENGINEERED RIVER ON FLOOD PLAIN.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

7-45028 TL

P-49428.TL 1015

7-49478-72J-4943.17L

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NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3473
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Ford Green Creek
Date: 10.5.1995 Time: 12.00 Surveyor name: HD
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 1111 (6) Unvegetated point bars
Pools 1 (1) Vegetated point bars

National Rivers Authority

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	EA	EA	EA	EA	EA		EA	EA	EA	EA
Bank modification(s)	RS	NO	NO	NO	NO		NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO		NO	NO	NO	SB
CHANNEL										
Channel substrate 1	GP	GP	GP	GP	GP		GP	GP	GP	GP
Flow type 1	NO	NO	NO	NO	NO		SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO		NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO		NO	NO	NO	NO
RIGHT BANK										
Mat. 1	EA	EA	EA	EA	EA		EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO		NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO		NO	NO	NO	NO

F. BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide margin)

Land use: choose one from RL, CP, SH, SC, EP, SL, OW, NO, TL, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	RL						SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) BUI/AC	S						U	U	U	U
LEFT BANK FACE (structure) BUI/AC	S						S	U	U	U
RIGHT BANK FACE (structure) BUI/AC	S						S	S	S	S
RIGHT BANK TOP (structure within 1m) BUI/AC	S						S	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL						SC	IL	BL	SU

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or I (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					E
Liverworts/mosses/lichens										<input checked="" type="checkbox"/>
Emergent broad-leaved herbs C.M.T.H.										<input checked="" type="checkbox"/>
Emergent reeds/sedges/rubus										<input checked="" type="checkbox"/>
Flowering-leaved (rooted)										<input checked="" type="checkbox"/>
Free-floating										<input checked="" type="checkbox"/>
Amphibious										<input checked="" type="checkbox"/>
Submerged broad-leaved <i>Sagittaria</i>										<input checked="" type="checkbox"/>
Submerged fine/linear-leaved										<input checked="" type="checkbox"/>
Filamentous algae										<input checked="" type="checkbox"/>

The end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or I)

P4423.7L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

I. BANK PROFILES (Use E (≥ 33% banklength) or I if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificially modified		E
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Poached	<input checked="" type="checkbox"/>	
Use this space to draw profile if different from above, after ticking predominant box			Embanked	<input checked="" type="checkbox"/>	
			Set-back embankments	<input checked="" type="checkbox"/>	

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
None	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Runs(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	3.50	RIGHT BANK
Banktop height (m)	0.75	1.50	Banktop height (m)
Embanked height (m)		0.10	Embanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) *

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = Roadbridges = Outfalls = 1 Fords =
Footbridges =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>
Brail/ditch channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leaky debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use I or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Upper 1/2 dry bed through woodland probably resection at one time, through culvert where pond chain joins (providing water) - then flows through grassland on left bank & pools on right.
Flats of soil:
Major conservation features: Pond
Major impacts:
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6RB

P4423.7L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3474

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid reference: River: NO NAME

Date 10/5/1995 Time: 12.10 Surveyor name: NO

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 11 (5) Unvegetated point bars

Pools 1 (1) Vegetated point bars

National Rivers Authority

P49423.TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ☐ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. =	EA	EA	EA	EA	CC	RE	RE	RE	RE	RE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. =	EA	EA	EA	EA	CC	RE	RE	RE	RE	RE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, RM, SC, SP, SL, SW, TL, SU	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) BUI/C	S	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) BUI/C	S	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) BUI/C	S	C	C	C	C	C	C	C	C	C
RIGHT BANK TOP (structure within 1m) BUI/C	S	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (present))										
NONE (tick as appropriate)										
Living/decaying/other										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rosettes										
Floating-leaved (ground)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P49423.TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)			Wetland (e.g. bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gullies			Reinforced - toe only		
Composites			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E (≥ 33%)	Present F
None			
Isolated/scattered			
Regularly spaced, single			
Occasional clumps			
Semi-continuous			
Continuous			
		Shading of channel	
		Overhanging boughs	
		Exposed bankside roots	
		Underwater tree roots	
		Fallen trees	
		Coarse woody debris	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall (whirl)				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Mature island(s)			
Bank(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

P49423.TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.2	Banktop height (m)
Banktop width (m)	1.2	Banktop width (m)
Banktop height (m)	1.2	Banktop height (m)
Banktop width (m)	1.2	Banktop width (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 11 Roadbridges = 11

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☒ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☒ Bog ☐ Other (state)

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☒

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive notes: One emergence from reservoir through artificial channel. Bank height about 200m was water level + surrounding area 200m. Plants of note: (none) Not much river but good vegetation within + Major conservation features: (none) on upper section - bed very silted up some gravel, cobbles derived from gabriols in places.

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)








None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, BH20 6BB

P49423.TL

A. BACKGROUND MAP-BASED INFORMATION		
Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source (km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS	
Reference network site number: 3475 3475	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference:	River: Hamps
Date 15.1.95 Time 11.55 Surveyor name H.D.	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state	
Bed of river visible? <input checked="" type="checkbox"/> No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)	
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)	
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)	

C. PREDOMINANT VALLEY FORM (tick one box only)	
 <input type="checkbox"/> shallow vee  <input type="checkbox"/> deep vee  <input checked="" type="checkbox"/> gorge  <input type="checkbox"/> concave/bowl	 <input type="checkbox"/> terraced valley floor  <input type="checkbox"/> symmetrical floodplain  <input type="checkbox"/> asymmetrical floodplain

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)	
Riffles	Unvegetated point bars
Pools	Vegetated point bars












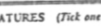

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)											
Mt. = Material ² = one entry only	1	2	3	4	5	6	7	8	9	10	
LEFT BANK											
Mt. ¹ <i>BA,BO,CO,ES,FG,GC,JP,NP,QA,RA,SA,SW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL											
Channel substrate ² <i>NP,JP,BO,CO,GP,SA,SL,CL,AR</i>	CO	CO	GP	GP	GP	CO	CO	CO	CO	CO	
Flow type ² <i>FP,CH,SW,CF,RF,LP,DL,NP,ND</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK											
Mt. ¹ <i>BA,BO,CO,ES,FG,GC,JP,NP,QA,RA,SA,SW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from 1L, CP, 10R, 1C, 1P, 2L, 2R, 2C, 2P, 3L, 3R, 3C, 3P, 4L, 4R, 4C, 4P, 5L, 5R, 5C, 5P, 6L, 6R, 6C, 6P, 7L, 7R, 7C, 7P, 8L, 8R, 8C, 8P, 9L, 9R, 9C, 9P, 10L, 10R, 10C, 10P											
LAND USE WITHIN 5m OF BANKTOP (L)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	
LEFT BANK-TOP (structure within 2m) <i>BA,SC</i>	S	S	S	S	S	S	S	S	S	S	
LEFT BANK FACE (structure) <i>BA,SC</i>	S	S	S	S	S	S	S	S	S	S	
RIGHT BANK FACE (structure) <i>BA,SC</i>	S	S	S	S	S	S	S	S	S	S	
RIGHT BANK-TOP (structure within 2m) <i>BA,SC</i>	S	S	S	S	S	S	S	S	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R	
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 32% area) or ✓ (percent))											
NONE (tick as appropriate)	✓	✓									
Liverworts/mosses/lichens			✓	✓	✓	✓	✓	✓	✓	✓	
Emergent broad-leaved herbs			✓	✓	✓	✓	✓	✓	✓	✓	
Emergent reeds/sedges/bulrushes											
Floating-leaved (free-dw)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

P-454228.77L

TABLE 75

SITE NO. <u>3475</u>		NRA RIVER HABITAT SURVEY, 1995		Page 3 of 4	
II LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or I if present					
	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU) $\frac{1}{2}$	<input checked="" type="checkbox"/>	
BANK PROFILES Use E ($\geq 33\%$ banklength) or I if present					
	L	R	Artificial/modified	L	R
Natural/unmodified		<input checked="" type="checkbox"/>			
Vertical/unreinforced		<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)		<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle		<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profiles at different times above, after cutting/redevelopment has			Poached		
			Embanked		
			Set-back embankments		
J EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
	Left	Right	E $\geq 33\%$	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/stattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-cocontinuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cause woody debris	<input type="checkbox"/>	<input type="checkbox"/>
K EXTENT OF CHANNEL FEATURES (Tick one box per feature)					
	None	Present E		None	Present E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Belt(s) - spewings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY (1995) : DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Backstop width (m)	12.5	RIGHT BANK	
Backstop height (m)	1.25	Water width (m)	12.0	Backstop height (m)	1.25
Embankment height (m)		Water depth (m)	12.0	Embankment height (m)	

If trambline lower than backstop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (pick one box) Slope (IFE only) 1:1

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/wide channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Lately debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Tick ✓ or ✗)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: *Channel runs probably section on Right*
 Plants of note: *Bank on right and left of channel*
 Major conservation features: *None in 30m possible because of the channel*
 Major impacts: *Channel is not a natural watercourse*
 Incidental observations (animals etc): *None observed*

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BS

P4963.75

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3476
Mid-section grid reference of network site if different from designated location:
COMPLET THE FOLLOWING FOR ALL SITES
Grid Reference: River: Broadbourn Brook
Date: 16.11.1995 Time: 10:00 Surveyor name: HIO
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box) 1
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 2 Unvegetated point bars
Pools: 2 *Reactive* Vegetated point bars 11 *2*
now natural areas
National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box) 10 HIO

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, 1P, 2L, 2P, 3L, 3P, 4L, 4P, 5L, 5P, 6L, 6P, 7L, 7P, 8L, 8P, 9L, 9P, 10L, 10P

LAND USE WITHIN 5m OF BANKTOP (L)	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
LEFT BANK-TOP (structure within 1m)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LEFT BANK FACE (structure)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
RIGHT BANK FACE (structure)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
RIGHT BANK-TOP (structure within 1m)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LAND USE WITHIN 5m OF BANK TOP (R)	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry use E (≥ 33% area) or / (green))

NONE (tick as appropriate)										
Lowest/mosses/liches										
Emergent broad-leaved herbs										
Emergent reeds/rushes/cyperus										
Floating-leaved (pond)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

The end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3476

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use 0-9 to show profile if different from above, after ticking predominant box			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>
Caeset(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	7m	RIGHT BANK
Banktop height (m)			Banktop height (m)
Water width (m)			Water width (m)
Embankment height (m)			Embankment height (m)
Water depth (m)			Water depth (m)

If trushline lower than banktop break in slope, indicate height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/hole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☒ Other ? State:
weed-killing ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)	Reg	Other (state)
Waterfalls > 5m high	Artificial open water	<input type="checkbox"/>	
Braided/side channels	Natural open water	<input type="checkbox"/>	
Debris dams	Water meadow	<input type="checkbox"/>	
Leafy debris	Fen	<input type="checkbox"/>	

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Flowing through through grazing on left bank, wooded right bank with some wet areas.
Plants of note: *Scirpus holcus* attractive river margin brown flowers.
Major conservation features:
Major impacts:
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKEHAM, BH20 6BB

P-4528.TL2452879P46028-72

8-45438.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3481

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River:

Date: 1.5.1995 Time: 11.00 Surveyor name: J. J.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RUFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Ruffles (7) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P44C11.TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. =	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. =	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from TL, CP, DM, IC, LP, WL, CW, DL, SU	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m)	LV	LV	LV	LV	LV	LV	LV	LV	LV	LV
LEFT BANK FACE (structure)	LV	LV	LV	LV	LV	LV	LV	LV	LV	LV
RIGHT BANK FACE (structure)	LV	LV	LV	LV	LV	LV	LV	LV	LV	LV
RIGHT BANK-TOP (structure within 1m)	LV	LV	LV	LV	LV	LV	LV	LV	LV	LV
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 33% area) or if present)										
NONE (tick as appropriate)										
Live/semi-live/deciduous										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

P44C11.TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP. Use E (in 33% banklength) or if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (SH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES. Use E (in 33% banklength) or if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined box			Reinforced		
			Embankment		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present	E
None			Shading of channel			
Isolated/scattered			Overhanging boughs			
Regularly spaced, single			Exposed bankside roots			
Occasional clumps			Underwater tree roots			
Semi-continuous			Fallen trees			
Continuous			Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascades(s) - chute				Exposed bedrock			
Step-pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Mature island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

P44C11.TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.0	Banktop height (m)
Embanked height (m)	2.0	Embanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Roadbridges = ☐ Outfalls = ☐ Fords = ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/side of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 2m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Straight over deep stream - thick bank veg, mosses + lichens + algal with flowing - some willows + sedge habitat.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DANSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P44C11.TL

NRA RIVER HABITAT SURVEY 1995: 1/4 M. P. A. A. Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3485

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 75 TF 076546 River: SRRNswell Brook

Date: 21/5/1995 Time: 10.15 AM Surveyor name: G. M. H. N. G. M. H. N.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Site No. on Board

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)

Riffles ☒ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

150m - mid - see over page 2

National River Authority

Notes: head ground visible debris

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed in every channel within a 10m wide zone)

Spot check 1 to 10 (tick one box only)

1 2 3 4 5 6 7 8 9 10

LEFT BANK (tick one box only)

Min. 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Bank modification(s) ☒ 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Bank feature(s) ☒ 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

CHANNEL (tick one box only)

Channel substrate (silt) 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Flow type (silt) 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Channel modification(s) ☒ 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Channel feature(s) ☒ 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

RIGHT BANK (tick one box only)

Min. 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Bank modification(s) ☒ 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Bank feature(s) ☒ 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

RANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from PL, CP, HU, SC, RD, NL, OV, SO, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

LEFT BANK FACE (structure) 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

RIGHT BANK FACE (structure) 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

RIGHT BANK TOP (structure within 1m) 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

LAND USE WITHIN 5m OF BANK TOP (R)

CHANNEL VEGETATION TYPES (tick in relevant box, with one entry per B (2-3% cover) or 2 (4-10%))

RIFFLE (tick one box only)

Plant species (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

POOLS (tick one box only)

Plant species (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

POINT BARS (tick one box only)

Plant species (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Use each 'tick-all' column for types not occurring in spot check as well as overall assessment over 500m (use R or S)

PLANTS - Use tick boxes of groups of plants (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

LAND USE WITHIN 500m OF BANKTOP (Use R (2-15% banklength) or S (16-35% banklength) or T (36-50% banklength))

LAND USE WITHIN 500m OF BANKTOP

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

BANK PROFILES (Use R (2-15% banklength) or S (16-35% banklength) or T (36-50% banklength))

BANK PROFILES

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

ASSOCIATED FEATURES (Tick one box per feature)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

EXTENT OF CHANNEL FEATURES

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Have you completed your sweep for this week? (send 4 FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight or near-straight section, preferably across a riffle)

LEFT BANK

Banktop width (m) 1.30

Banktop height (m) 1.50

Banktop width (m) 1.30

Banktop height (m) 1.50

RIGHT BANK

Banktop width (m) 1.30

Banktop height (m) 1.50

Banktop width (m) 1.30

Banktop height (m) 1.50

CHANNEL DIMENSIONS

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

ARTIFICIAL FEATURES (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

EVIDENCE OF RECENT MANAGEMENT (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

FEATURES OF SPECIAL INTEREST (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

CHOKED CHANNEL (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

NOTABLE NUISANCE PLANT SPECIES (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

RIVER DESCRIPTION (Use present and 10 words or less)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

DISPERSED ALDERS (tick one box only)

10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00

Envelopes supplied! Post completed forms for processing. Labels supplied at site.

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3466
Mid-section grid reference of network site if different from designated location: IFE
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: T592503 River: K416 CAU / W. M. M. M.
Date 28.10.1995 Time: 18:30 Surveyor name: J.B. 74 PM 16 AK 76m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☒ Yes ☐ (tick one box) with site No on Board
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE total = 200

DATES: record ground visited details

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or ✓ if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)	E		Suburban/urban development (SU)		

III BANK PROFILES (Use E (≥ 33% banklength) or ✓ if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓		Recessed		E
Vertical + toe	✓		Reinforced - whole bank	✓	
Steep (> 45°)	✓		Reinforced - top only	✓	
Gentle	✓		Reinforced - toe only	✓	
Composite	✓		Artificial two-stage	✓	
Use this space to draw profile if different from above, after ticking predetermined box			Poached	✓	
			Embanked	✓	E
			Set-back embankments	✓	

IV EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	NOTES
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	NOTES
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	NOTES
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Waterfall(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (Mark ✓ or ✗ or E)

Spot check 1 is at: upstream end ☐ of site (tick one) downstream ☒

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Bank material (one)	BE, BO, CO, GL, LA, PE, CL	EA								
Bank modification(s)	NO, RI, RI, PC, BM, EM	RS, RS								
Bank feature(s)	AK, NO, IC, SC, PR, VP, SB, VS	NO								
CHANNEL NOTE - Use suitable for										
Channel substrate (one)	NY, BE, BO, CO, CP, SA, SI, CL, AR	NJ								
Flow type (one)	FI, CH, BW, WH, CF, RP, UP, SH, NY, NO	NP								
Channel modification(s)	AK, NO, RI, RI, DA, FO	NJ								
Channel feature(s)	NO, RI, RI, VP, MI, TR	NO								
RIGHT BANK (looking downstream)										
Bank material (one)	BE, BO, CO, GL, LA, PE, CL	EA								
Bank modification(s)	NO, RI, RI, PC, BM, EM	RS, RS								
Bank feature(s)	AK, NO, IC, SC, PR, VP, SB, VS	NO								

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 30m wide distance)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, IG, TL, SU

	RP	
LAND USE WITHIN 5m OF BANKTOP (L)		
LEFT BANK-TOP (structure within 1m)	BU, UC	
LEFT BANK FACE (structure)	BU, UC	
RIGHT BANK FACE (structure)	BU, UC	
RIGHT BANK-TOP (structure within 1m)	BU, UC	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	

G CHANNEL VEGETATION TYPES (tick all that apply, indicate bank type, tick none where appropriate)

NONE (tick) Plant genera (tick one)

Liverworts/mosses/lichens	None
Emergent broad-leaved herbs	None
Emergent reeds/sedges/rushes	None
Floating-leaved (rooted)	None
Free-floating	None
Amphibious	None
Submerged - broad-leaved	None
Submerged fine-linear-leaved	None
Filament, algae	None

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

PLANT 5 - Use tick boxes of genera of plants, ferns, etc. + species if possible of both part of a Polyanthus plantations

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	Embankment height (m)
LEFT BANK	23	2.75	8		
RIGHT BANK					2.75

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-4 to indicate total number, tick none where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☐ Other? State:
weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fes ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use space to describe site, tick appropriate box(es))

Descriptive sentence: wide embanked flood drain
Plans of site:
Major conservation features:
Major impacts: Agricultural land
Incidental observations (animals etc):

IFE 2 channel sample taken B. filtered ☒
SITE 2 DISCLOSED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other (state):

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 6BB
Envelopes supplied! Post completed form for processing. Labels supplied - steps

NRA RIVER HABITAT SURVEY 1995 IFE P-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3488

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 3488 River: SIBSOM RIVER / WITHTH

Date 22.1.1995 Time: 16:50 Surveyor name: T. W. PH. I. G. A. K. 760

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 8.0m high not visible

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☒ Yes ☐ (tick one box) with site 14 on board

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - mod - see over page 13

National Rivers Authority

Notes: head framed initial details

NRA RIVER HABITAT SURVEY 1995

PHYSICAL ATTRIBUTES (tick one box for each attribute)

Spot check 1 is at: upstream ☐ downstream ☒ (tick one)

LEFT BANK (tick one box for each attribute)

Bank material (one) ☒ BL, BO, CO, GI, LA, PE, CL

Bank modification(s) ☒ NO, RI, RI, PC, BM, EN

Bank feature(s) ☒ NO, NO, EC, SC, PB, VP, SP, VS

CHANNEL (tick one box for each attribute)

Channel substrate (one) ☒ NY, BE, BO, CO, GP, SA, SI, CL, AR

Flow type (one) ☒ FF, CL, LW, VW, CF, AP, UP, SM, NP, MO

Channel modification(s) ☒ NO, NO, RI, RI, PC, BM, EN

Channel feature(s) ☒ NO, NO, RI, RI, PC, BM, EN

RIGHT BANK (tick one box for each attribute)

Bank material (one) ☒ BL, BO, CO, GI, LA, PE, CL

Bank modification(s) ☒ NO, RI, RI, PC, BM, EN

Bank feature(s) ☒ NO, NO, EC, SC, PB, VP, SP, VS

POINT BARS (tick one box for each attribute)

Land use: choose one from BL, CP, NH, SC, RP, WL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) SC SC

LEFT BANK-TOP (structure within 1m) BAUSC U U

LEFT BANK FACE (structure) BAUSC S S

RIGHT BANK FACE (structure) BAUSC U U

RIGHT BANK-TOP (structure within 1m) BAUSC U U

LAND USE WITHIN 5m OF BANK TOP (R) RP RP

VEGETATION (tick one box for each attribute)

NONE (tick) Plant species (tick one)

Emergent broad-leaved herbs ☒ None

Emergent reeds ☒ None

Floating-leaved (rooted) ☒ None

Free-floating ☒ None

Amphibious ☒ None

Submerged ☒ None

Submerged floating-leaved ☒ None

Filamentous algae ☒ None

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use list of plants of stream to P. 10 of 10 + species of plants of stream to P. 10 of 10

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

III BANK PROFILES (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Geotile			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above after taking predominant bank			Poached		
			Embanked		
			Set-back embankments		

IV EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	Associated Features (Tick one box per feature)	None	Present	E	Notes
None				Shading of channel				
Isolated/scattered				Overhanging boughs				
Regularly spaced, single				Exposed bankside roots				
Occasional clumps				Underwater tree roots				
Semi-conscious				Fallen trees				
Continuous				Coarse woody debris				

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes		None	Present	E	Notes
Waterfall(s) - free-fall					Marginal deadwater - silt				
Cascades(s) - chute					Exposed bedrock				
Step/pool sequence					Exposed boulders				
Rapid(s) - whitewater					Unvegetated mid-channel bars				
Riffle-pool sequence					Vegetated mid-channel bars				
Run(s) - disturbed, rippled					Mature island(s)				
Bank(s) - upwellings					Unvegetated side bars				
Gravel(s) - smooth, no eddies					Vegetated side bars				

Have you completed your survey from this reach? (and to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2.4	RIGHT BANK	Banktop width (m)	2.4
Banktop height (m)	2		Banktop height (m)	2	
Embankment height (m)			Embankment height (m)		

If trassline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ vacuolated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M MAN-MADE ARTIFICIAL FEATURES (Use 1/10 then indicate total number)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☒

O CHANNEL FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Tick appropriate box(es))

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRITISH DESCRIPTION

Descriptive sentence: Wide land down

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):







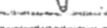
IFE channel complexity B. 10 of 10

S DISEASED ALGAE (Tick appropriate box(es))

None ☒ Present ☐ Extensive ☐ and other (state)

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for printing. Labels supplied on site

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?
B FIELD SURVEY DETAILS		
Reference network site number: 3489		
Mid-section grid reference of network site (if differs from designated location): IFE		
COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference: TF435540	River: Woburn ^{PELL WATER DRAIN?}	
Date 28/6/1995 Time: 15:40	Surveyor name (under code)	38.74 PM 16 AK 78m
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	MAN NO 16 PM
If yes, state		
Bed of river visible?	No <input checked="" type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)	
Dominant photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) ^{with Site No on Board} Essential - return visit required if failure!		
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)		
C PREDOMINANT VALLEY FORM (tick one box only)		
	<input type="checkbox"/> shallow vee	
	<input type="checkbox"/> deep vee	
	<input type="checkbox"/> gorge	
	<input type="checkbox"/> concave/bowl	<input type="checkbox"/> asymmetrical floodplain
+ NOTE/REMARKS		
D (MAX) NUMBER OF RIFFLES, POOLS AND POINT BARS. (Use 11 then indicate total number)		
Riffles	Unvegetated point bars	
Pools	Vegetated point bars	
IFE - IFE - See page 2 of 2		
National Rivers Authority		

DATE	Record	processed	initiated	date/initials
12/20/78	92			

Riffles
(nr)
Pools
Unvegetated
point bars
Vegetated
point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within 4m wide corridor)

Spot check 1 is at: upstream or downstream of site (Tick one)

LEFT BANK looking downstream

Bank material (one)
Bank modification(s)
Bank feature(s)
Channel substrate (one)
Flow type (one)
Channel modification(s)
Channel feature(s)

RIGHT BANK looking upstream

Bank material (one)
Bank modification(s)
Bank feature(s)

F BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over 4-10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, GW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)
LEFT BANK-TOP (structure within 1m)
LEFT BANK FACE (structure)
RIGHT BANK FACE (structure)
RIGHT BANK-TOP (structure within 1m)
LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (to be assessed over 4-10m wide transect)

NONE (tick)
Plant genera (list in)
Liverworts/mosses/lichens
Emergent broad-leaved herbs
Emergent medium-leaved/rubus
Floating-leaved (rooted)
Free-floating
Amphibious
Submerged broad-leaved
Submerged fine-leaved/rubus
Filament algae

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

PLANTS - Use 1st 4 letters of genus + Pot + Potomac

SITE NO. PAGE 3 of 4

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP

II LAND USE WITHIN 50m OF BANKTOP: Die E (n 33% banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/scrub-improved grass (IG)		
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)	✓		Suburban/urban development (SU)		

I BANK PROFILES: Die E (n 33% banklength) or / if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/cutcut			Reconciled		E E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after noting predominant bank			Poached		
			Embanked		
			Set-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
None	Left	Right	NOTES	E ≥ 33%	None	Present	NOTES
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	NOTES
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwelling	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses form this week? (send to FHD for signature!)

CHANNEL DIMENSIONS				to be measured at one site on a straight uniform section, preferably across a riffle	
LEFT BANK		Banktop width (m)	18.5	RIGHT BANK	
Banktop height (m)	2	Water width (m)	12.5	Banktop height (m)	2
Embanked height (m)		Water depth (m)	-	Embanked height (m)	
If trashing lower than banktop break in slope, indicate: height (m) _____ width(m) _____					
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input checked="" type="checkbox"/>					
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input checked="" type="checkbox"/> (tick one box) Slope (IFE only) _____					
MAN-MADE ARTIFICIAL FEATURES (Use "1" indicate least number; "0" none; "9" where appropriate)					
None <input checked="" type="checkbox"/>	Number of	Culverts = _____	Weirs = _____	Outfalls = _____	Fords = _____
		Footbridges = _____	Roadbridges = _____	Others = _____	
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>					
NON-NATURAL FEATURES OF RECENT MANAGEMENT (tick appropriate box(es))					
dredging <input type="checkbox"/>		mowing <input type="checkbox"/>	Other ? State _____		
weed-cutting <input type="checkbox"/>		enhancement <input checked="" type="checkbox"/>			
OBSERVABLE FEATURES OF STEADY-STATE INTERIORS (tick appropriate box(es))					
CHANNEL					
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>		Bog <input type="checkbox"/>	Other (state) _____	
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>		Cart <input type="checkbox"/>		
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>		Marsh <input type="checkbox"/>		
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>		Flush <input type="checkbox"/>		
POSSIBLY CHOKED CHANNEL (tick one box)					
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>					
OTHER NOTABLE NUISANCE PLANT SPECIES (tick one box)					
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>		Japanese Knotweed <input type="checkbox"/> Other ? State _____		
RECENT BRIEF DESCRIPTION (Use "1" indicate least number; "0" none; "9" where appropriate)					
Descriptive sentence: Agricultural drainage ditch					
Plants of note: _____					
Major conservation features: _____					
Major impacts: Affects land drainage					
Incidental observations (animals etc): _____					
IFE 2 channel sample taken <input checked="" type="checkbox"/> filtered <input type="checkbox"/>					
SPECIAL DISEASED ALDERS (tick one box)					

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB
Envelopes supplied! Post completed films for processing. Labels supplied & stamped

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3490

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: /

Date: 1.1.1995 Time: 11.00 Surveyor name: H.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles (15) Unvegetated point bars

Pools (2) Vegetated point bars

National Rivers Authority

P-4012.1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

LEFT BANK

Mat. 1: 1E, 2D, 3C, 4A, 5F, 6L, 7P, 8S, 9R, 10W

Bank modification(s): NO, 3, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Bank feature(s): NO, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

CHANNEL

Channel substrate: 1E, 2D, 3C, 4A, 5F, 6L, 7P, 8S, 9R, 10W

Flow type: 1E, 2D, 3C, 4A, 5F, 6L, 7P, 8S, 9R, 10W

Channel modification(s): NO, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Channel feature(s): NO, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

RIGHT BANK

Mat. 1: 1E, 2D, 3C, 4A, 5F, 6L, 7P, 8S, 9R, 10W

Bank modification(s): NO, 3, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Bank feature(s): NO, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, 2P, 3C, 4A, 5F, 6L, 7P, 8S, 9R, 10W

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) R 1 2 3 4 5 6 7 8 9 10

LEFT BANK FACE (structure) R 1 2 3 4 5 6 7 8 9 10

RIGHT BANK FACE (structure) R 1 2 3 4 5 6 7 8 9 10

RIGHT BANK-TOP (structure within 1m) R 1 2 3 4 5 6 7 8 9 10

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (present))

NONE (tick as appropriate)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Emergent reeds/rushes/grasses

Flowering-leaved (freeing)

Free-floating (algae, water hyacinth)

Amphibious

Submerged broad-leaved

Submerged fine/linear-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P-4012.1L

NRA RIVER HABITAT SURVEY 1995: 200m SWEEP-UP Page 3 of 4

SITE NO: 3490

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

Broadleaf/woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (> 45°)

Gentle

Composite

Artificial/modified

Reconciled

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Perched

Embanked

Set-back embankments

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall

Cascade(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Run(s) - dimpled, rippled

Boil(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

P-4012.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 3m

Banktop height (m) 0.6

Banktop height (m) 0.7

Banktop height (m) 0.05

Banktop height (m) 0.05

RIGHT BANK

Banktop width (m) 3m

Banktop height (m) 0.6

Banktop height (m) 0.7

Banktop height (m) 0.05

Banktop height (m) 0.05

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (DPR only)

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Mest/whale of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? Suite

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 2m high ☐ Artificial open water ☐ Bog ☒ Other (state)

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Lately debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Suite

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: fairly full chain (fairly bold boundaries upper section 10-12)

Plants of note: steep, steeply overhanging banks - slightly deeper bed with steep pool sequence. lower section straight with

Major conservation features: one reinforced bankside which have eroded

Major impacts: + stream is rippling in mid-section with some side bars - less steep gradient w. little vegetation.

Incidental observations (animal etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? Suite

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P-4012.1L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3471

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Doyatch

Date: 22.1.1995 Time: 1.40 Surveyor name: 2.D

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

<input type="checkbox"/> shallow vee	<input checked="" type="checkbox"/> terraced valley floor
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain
<input type="checkbox"/> concave/bowl	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles <u>7</u>	Unvegetated point bars
Pools <u>3</u>	Vegetated point bars

National Rivers Authority

F49128 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box) P 4-11

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <u>EA, AD, CO, GL, LF, CL, CC, SP, NP, GA, BR, JW</u>	EA	EA	EA	CO	CO	EA	EA	EA	EA	EA
Bank modification(s) ² <u>NO, AD, AL, CL, NP, GA, BR, JW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <u>NO, NO, CL, SC, SP, NP, GA, BR, JW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ⁴ <u>NP, SP, CO, CL, LF, CL, CC, SP, NP, GA, BR, JW</u>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Flow type ⁵ <u>IT, CL, SW, NP, CL, SP, NP, GA, BR, JW</u>	IT	IT	IT	IT	IT	IT	IT	IT	IT	IT
Channel modification(s) ⁶ <u>NO, NO, CL, SC, SP, NP, GA, BR, JW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ⁷ <u>NO, NO, CL, SC, SP, NP, GA, BR, JW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <u>EA, AD, CO, GL, LF, CL, CC, SP, NP, GA, BR, JW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² <u>NO, AD, AL, CL, NP, GA, BR, JW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <u>NO, NO, CL, SC, SP, NP, GA, BR, JW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from <u>TL, CL, SP, NP, GA, BR, JW, NO, NO, CL, SC, SP, NP, GA, BR, JW</u>	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) ⁸ <u>TL, CL, SP, NP, GA, BR, JW</u>	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK FACE (structure) ⁹ <u>TL, CL, SP, NP, GA, BR, JW</u>	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
RIGHT BANK FACE (structure) ¹⁰ <u>TL, CL, SP, NP, GA, BR, JW</u>	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
RIGHT BANK TOP (structure within 1m) ¹¹ <u>TL, CL, SP, NP, GA, BR, JW</u>	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs ¹² <u>TL, CL, SP, NP, GA, BR, JW</u>										
Emergent reeds/sedges/rushes ¹³ <u>TL, CL, SP, NP, GA, BR, JW</u>										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved ¹⁴ <u>TL, CL, SP, NP, GA, BR, JW</u>										
Filamentous algae										

Use 'end catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

F49128 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recessed		
Vertical + low			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant bank			Peached Embanked Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal dead-water - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

F49128 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	1-4	RIGHT BANK
Banktop height (m)	Water width (m)	3-9	Banktop height (m)
Embanked height (m)	Water depth (m)	0-2	Embanked height (m)

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Roadbridges = 1 Outfalls = 1 Ferds = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water		
Braided/side channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Fen		

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐ about 20-6

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: winding stream with varied flow, mostly riffles and glides

Plants of note: big reeds, some varied vegetation, especially riparian

Major conservation features: through RP + bog

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

F49128 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 7493

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River:

Date 11/1/1995 Time: Surveyor name H.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1/4 then indicate total number)

Rifles 1 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P-44128 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

LEFT BANK

Mat. 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO, AL, FL, CL, EM

Bank feature(s) NO, ND, FC, SC, FP, VP, SV

CHANNEL

Channel substrate 1 2 3 4 5 6 7 8 9 10

Flow type 1 2 3 4 5 6 7 8 9 10

Channel modification(s) NO, ND, FC, SC, FP, VP, SV

Channel feature(s) NO, ND, FC, SC, FP, VP, SV

RIGHT BANK

Mat. 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO, AL, FL, CL, EM

Bank feature(s) NO, ND, FC, SC, FP, VP, SV

F. RANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, CP, 1H, 2C, 2P, 3L, 3H, 4L, 4H, 5L, 5H, 6L, 6H, 7L, 7H, 8L, 8H, 9L, 9H, 10L, 10H

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) 1 2 3 4 5 6 7 8 9 10

LEFT BANK FACE (structure) 1 2 3 4 5 6 7 8 9 10

RIGHT BANK FACE (structure) 1 2 3 4 5 6 7 8 9 10

RIGHT BANK-TOP (structure within 1m) 1 2 3 4 5 6 7 8 9 10

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or ✓ (present))

NONE (tick as appropriate)

Emergent broad-leaved herbs

Emergent reeds/rushes/cyperus

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine/linear-leaved

Filamentous algae

Use end "catch all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓) †

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SITE NO. 7493 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or ✓ if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or ✓ if present)

	L	R		L	R
Natural/unmodified			Recessed		
Vertical/undercut	✓	✓	Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Embanked		
Use this space to draw profile if different from above, after making predominant box			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel <input type="checkbox"/> E ≥ 33% <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees <input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris <input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

P-44128 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 3 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	7.5	Banktop height (m)
Embanked height (m)		Embanked height (m)
Water width (m)	5	Water depth (m)
Water depth (m)	2.5	

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1/4 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Other ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 7 State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Bedrock/rocks channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fea ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/4 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other 7 State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences:

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISPERSED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other dispersed trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20

P-44128 TL

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 346
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: Cynah
Date: 22.1.1995 Time: 17.00 Surveyor name: HD
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☒ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
Pools 6 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flow type #	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK										
Mat. #	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide margin)

Land use: choose one from BL, CP, SC, SL, SP, SW, TL, TL, TL

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 2m) EUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) EUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) EUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 2m) EUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or / (present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens	E	E	E	E	E	E	E	E	E	E
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use 'catch all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)	100%	100%	Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/abscut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Left Right	E ≥ 33%	None Present E
Isolated/scattered	<input type="checkbox"/> <input type="checkbox"/>	Shading of channel	<input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/> <input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/> <input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/> <input type="checkbox"/>
Stem-enclosed	<input type="checkbox"/> <input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/> <input type="checkbox"/>	Fallen trees	<input type="checkbox"/> <input type="checkbox"/>
		Coarse woody debris	<input type="checkbox"/> <input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Exposed boulders	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Riffle-pool sequences	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Mature island(s)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	2.2m	Banktop height (m)
Banktop width (m)	2.2m	Banktop width (m)
Banktop height (m)	2.2m	Banktop height (m)
Banktop width (m)	2.2m	Banktop width (m)

If trashes lower than banktop break in slope, indicate: height (m) width(m)
Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1FE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls =
Footbridges = Other =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL
Waterfalls > 5m high ☒
Braided/wide channels ☐
Debris dams ☐
Leafy debris ☐
Fen ☐
FLOODPLAIN (50m corridor)
Artificial open water ☐
Natural open water ☐
Water meadow ☐
Bog ☐
Carr ☐
Marsh ☐
Flush ☐
Other (state)

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Invasive alga, eelgrass, large, rocky falls + debris with pools
Plants of note: well with a view
Major conservation features: extensive large vegetation for riparian flora, very extensive
mosses, oak + birch woodland
Major impacts: x x x x x for scenic beauty
Incidental observations (animals etc):








S. DISEASED ALBERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

A. BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS	
Reference network site number:	3495
Mid-section grid reference of network site (if different from designated location):	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference:	River: 213m
Date: 2.2.5/1995	Time: 12:20
Surveyor name: 40	
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state
Bed of river visible?	No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)
Duplicate photographs: general character?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)	

C. PREDOMINANT VALLEY FORM (tick one box only)	
 <input type="checkbox"/> shallow vee	 <input checked="" type="checkbox"/> terraced valley floor
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [7] then indicate total number)	
Riffles (7)	Unvegetated point bars
Pools	Vegetated point bars

Spot check 1 is at: upstream and ☒ downstream and ☐ of site (tick one box) R. 11/11/11

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)














Mat. = Material	¹ = one entry only	1	2	3	4	5	6	7	8	9	10
LEFT BANK											
Mat. ¹ EA, CO, CL, LA, FE, CC, SF, WF, GA, RJ, BW		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO, RJ, FC, AM, LM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SK, NO, EC, SC, RP, VP, SP, VS	RP	EC	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL											
Channel substrate ¹	NP, FE, CO, CO, GP, SJ, RJ, CL, GR	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type ¹	FE, CL, RP, VP, CT, RP, VP, SP, NO	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	AK, NO, CT, SJ, RJ, RP, NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO, RJ, RP, VP, NO, VS	NO	RP	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK											
Mat. ¹ EA, CO, CO, CL, LA, FE, CC, SF, WF, GA, RJ, BW		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO, RJ, FC, AM, LM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SK, NO, EC, SC, RP, VP, SP, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANK/OT LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from SL, GP, SH, SC, SP, NL, OP, NO, RL, W		SL	GP	SH	SC	SP	NL	OP	NO	RL	W
LAND USE WITHIN 5m OF BANK/OT (L)		SL	GP	SH	SC	SP	NL	OP	NO	RL	W
LEFT BANK-TOP (structure within 1m) R/S/C		S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) R/S/C		S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) R/S/C		S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) R/S/C		S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK/OT (R)		SL	GP	SH	SC	SP	NL	OP	NO	RL	W
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 3% area) or F (greater))											
NONE (tick as appropriate)											
Living water/mosses/lichens		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent reed/sedge/rushes ^{5-10%}		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flowering-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Flattened stems											

Use end 'tail-sh' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

11. LAND USE WITHIN 50m of BANKTOP Use E (≥ 33% banktop) or J if present

	L	R		L	R
Forest/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantations (CF)			Open water (OW)		
Moorland/heath (MH)	100%	100%	Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

BANK PROFILES: Use E (≥ 33% banktop) or J if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced 		
Vertical + toe 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Steep (> 45°) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use this space to draw profile of different bank above, when taking underlain bank			Peatbed 		
			Embanked 		
			Set-back embankments 		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left	Right	E is ≥ 33%	None	Present
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Belld(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle				
LEFT BANK		Banktop width (m)		5.0
Banktop height (m)		Water width (m)		5.5
Embanked height (m)		Water depth (m)		0.5
If threshold lower than banktop break in slope, indicate: height (m) width (m)				
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFB only)				
M. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)				
None <input checked="" type="checkbox"/>	Number of	Culverts =	Weirs =	Outfalls =
		Footbridges =	Roadbridges =	Others =
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Mouth/hole of site <input type="checkbox"/>				
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)				
dragging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State				
weed-culling <input type="checkbox"/> enhancement <input type="checkbox"/>				
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))				
CHANNEL				
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input checked="" type="checkbox"/> Other (state)				
Braided/sides channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>				
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>				
Leafy debris <input type="checkbox"/> Fca <input type="checkbox"/> Flush <input type="checkbox"/>				
P. CHOKED CHANNEL (Tick one box)				
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Q. NOTABLE NUISANCE PLANT SPECIES Use 1 or 2				
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State				
R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)				
Descriptive sentence: <i>Upland wetland gravel bed with extensive benthos, very boggy meadow, almost step pool but gradient not steep</i>				
Plants of note: <i>Bracken, gradual sedge in upper section</i>				
Major conservation features: <i>very little channel veg except moss</i>				
Major impacts:				
Incidental observations (animals etc):				
S. DISEASED ALDERS (Tick one box)				
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other disease treat? State				

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3496

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S1925423 River: CEEKJW

Date: 3.1.1995 Time: 12.00 Surveyor name: M.D.V.E.S.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

2. Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles 2 Unvegetated point bars 2

Pools 1 Vegetated point bars 0

National Rivers Authority

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = use entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ M, S, C, G, A, J, F, T, CL, CC, SP, WP, B, U, R, B, SW	1	2	3	4	5	6	7	8	9	10
Bank modification(s)										
Bank feature(s)										
CHANNEL										
Channel substrate ¹ S, J, F, T, CL, CC, SP, WP, B, U, R, B, SW	1	2	3	4	5	6	7	8	9	10
Flow type ¹ FF, CH, SW, WP, CL, F, U, B, U, R, B, SW	1	2	3	4	5	6	7	8	9	10
Channel modification(s)										
Channel feature(s)										
RIGHT BANK										
Mat. ¹ M, S, C, G, A, J, F, T, CL, CC, SP, WP, B, U, R, B, SW	1	2	3	4	5	6	7	8	9	10
Bank modification(s)										
Bank feature(s)										
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CP, 10L, 10C, 10P, 10R, 10S, 10T, 10U										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) BAUSE										
LEFT BANK FACE (structure) BAUSE										
RIGHT BANK FACE (structure) BAUSE										
RIGHT BANK-TOP (structure within 1m) BAUSE										
LAND USE WITHIN 5m OF BANK TOP (R)										
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B (2-35% area) or A (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A)

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-35% banklength) or A if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (2-35% banklength) or A if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unmodified			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking pre-drawn box			Post-dredged		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			E > 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - silt		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapids(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glides(s) - smooth, no eddies			Vegetated side bars		

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	RIGHT BANK
Banktop height (m)		Water depth (m)	Banktop height (m)	
Banktop height (m)		Water depth (m)	Banktop height (m)	

If threshold lower than backing break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only)

M. ARTIFICIAL FEATURES (Use 1/2 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Piers =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Reg	Other (state)
Waterfalls > 5m high	Artificial open water		
Drained/side channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Pen		

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use A or B)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: UPLAND GRAVEL BED ACTIVE RIVER

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, B120 6RB

P44214 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3497
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: 57094435 River: T.C.
 Date 3.1.1995 Time: 2.15pm (11:00) Surveyor name M.J. J. J. J.
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 3 Unvegetated point bars 0
 Pools 2 Vegetated point bars 0

National Rivers Authority

P4312/L 10/6

NRA RIVER HABITAT SURVEY 1995: TSN SPOT CHECKS Page 2 of 4

(Spot check 1/1000 upstream and 1/1000 downstream of 1/1 of river (tick one box))

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Site = 1/1000 upstream only

LEFT BANK

Mat. # 1/1000 upstream only

Bank modification(s) 1/1000 upstream only

Bank feature(s) 1/1000 upstream only

CHANNEL

Channel substrate 1/1000 upstream only

Flow type 1/1000 upstream only

Channel modification(s) 1/1000 upstream only

Channel feature(s) 1/1000 upstream only

RIGHT BANK

Mat. # 1/1000 upstream only

Bank modification(s) 1/1000 upstream only

Bank feature(s) 1/1000 upstream only

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1/1, 2/1, 3/1, 4/1, 5/1, 6/1, 7/1, 8/1, 9/1, 10/1

LAND USE WITHIN 5m OF BANKTOP (1/1)

LEFT BANK-TOP (structure within 1m) 1/1000 upstream only

LEFT BANK FACE (structure) 1/1000 upstream only

RIGHT BANK FACE (structure) 1/1000 upstream only

RIGHT BANK-TOP (structure within 1m) 1/1000 upstream only

LAND USE WITHIN 5m OF BANK TOP (2/1)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or F (green))

None (tick as appropriate)

Living/deciduous/deciduous

Emergent broad-leaved herbs 1/1000 upstream only

Emergent reeds/straw/straw

Flowering-leaved (reeds)

Free-floating

Amphibious

Schreger broad-leaved

Schreger fine/linear-leaved 1/1000 upstream only

Flowering algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P4312/L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

Left Right

Broadleaved woodland (BL) ☒ ☐

Cereals/plantations (CP) ☐ ☐

Meadow/scrub (MH) ☐ ☐

Straw (SC) ☐ ☐

Rough pasture (RP) ☒ ☒

Suburban/urban development (SU) ☐ ☐

I. BANK PROFILES (Use E (to 33% banklength) or F if present)

Natural/unmodified Left Right

Vertical/undisturbed ☒ ☒

Vertical + 10m ☒ ☒

Steep (> 45°) ☒ ☒

Gully ☒ ☒

Composites ☒ ☒

Use this space to draw profile if different from above, after filling predominant box

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☒

Isolated/scattered ☐ ☐ ☐

Regularly spaced, single ☐ ☐ ☐

Occasional clumps ☐ ☐ ☐

Semi-continuous ☐ ☐ ☐

Continuous ☐ ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature)

E 33% None Present II

Shading of channel ☒ ☐ ☐

Overhanging boughs ☒ ☐ ☐

Exposed bankside roots ☒ ☐ ☐

Underwater tree roots ☒ ☐ ☐

Fallen trees ☒ ☐ ☐

Coarse woody debris ☒ ☐ ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present II

Waterfall(s) - free-fall ☒ ☐ ☐

Cascade(s) - chute ☒ ☐ ☐

Step/pool sequence ☒ ☐ ☐

Rapid(s) - whitewater ☒ ☐ ☐

Riffle-pool sequence ☒ ☐ ☐

Run(s) - disturbed, rippled ☒ ☐ ☐

Bed(s) - upwelling ☒ ☐ ☐

Glide(s) - smooth, no eddies ☒ ☐ ☐

Marginal deadwater - slack ☒ ☐ ☐

Exposed bedrock ☒ ☐ ☐

Exposed boulders ☒ ☐ ☐

Unvegetated mid-channel bars ☒ ☐ ☐

Vegetated mid-channel bars ☒ ☐ ☐

Mature island(s) ☒ ☐ ☐

Unvegetated side bars ☒ ☐ ☐

Vegetated side bars ☒ ☐ ☐

P4312/L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site in a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 2.00

Banktop height (m) 2.00

Banktop height (m) 2.00

Banktop height (m) 2.00

RIGHT BANK

Banktop width (m) 2.00

Banktop height (m) 2.00

Banktop height (m) 2.00

Banktop height (m) 2.00

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFR only)

M. ARTIFICIAL FEATURES (Use 1/1 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Ponds =

Is water level controlled by weirs/dams/downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
 weed-cutting ☐ enhancement ☐ 1/1000 upstream only

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Fluth ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: LARGE MARGINAL GRASS/REEDS ON BANK

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P4312/L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3498

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: EJ 93432 River: LCE

Date: 11.5.1995 Time: 10.15 Surveyor name: J. J. G.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

1 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total number)

Riffles: 0 Unvegetated point bars: 0

Pools: 1 Vegetated point bars: 0

National Rivers Authority

P4032.L 145

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material (to be entered only)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = Material	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Bank modification(s)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Bank feature(s)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
CHANNEL										
Channel substrate	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Flow type	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Channel modification(s)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Channel feature(s)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
RIGHT BANK										
Mat. = Material	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Bank modification(s)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Bank feature(s)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from PL, CP, DH, IC, PP, WL, OW, D, B, L, W										
LAND USE WITHIN 5m OF BANKTOP (L)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
LEFT BANK-TOP (structure within 1m) BAUSAC	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
LEFT BANK FACE (structure) BAUSAC	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
RIGHT BANK FACE (structure) BAUSAC	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
RIGHT BANK-TOP (structure within 1m) BAUSAC	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
LAND USE WITHIN 5m OF BANKTOP (R)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or / (present))										
None (tick as appropriate)										
Emergent reeds/bushes/trees										
Emergent broad-leaved herbs										
Emergent reeds/bushes/trees (flow: 1-5)										
Flowering-leaved (forest)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

P4032.L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CT)			Open water (OW)		
Woodland/heath (WH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unmodified			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined line			Post-holed		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			E > 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - stock		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle/pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Bank(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P4032.L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	20:20	RIGHT BANK
Banktop height (m)	1-10		Banktop height (m)
Bankbed height (m)			Bankbed height (m)

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (concrete) ☐ unconsolidated (stone) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-4 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weir(s) Roadbridges = Outfalls = Piers =

In water level controlled by weir/dam downstream? No ☐ Port of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fra
	Dug
	Care
	Mare
	Flath

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-4 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: LARGE MEANDERING RIVER PONDED RUN AND BOWTIE

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S DISTURBED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6DB

P4032.L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Soil geology code _____ Drift geology code _____ Plankton category _____

Distance from source(km) _____ Significant tributary? ☐ Navigation? ☐

B. FIELD SURVEY DETAILS:

Reference network site number: 3499

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES:

Grid Reference: 5J272429 River: TRAFALGAR

Date: 2.5.1995 Time: 9.55 (h:m) Surveyor name: J. A. P. _____

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

1 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☒ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

National Rivers Authority

P45128 TL 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ☐ not entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	1	2	3	4	5	6	7	8	9	10
Bank feature(s)	1	2	3	4	5	6	7	8	9	10
CHANNEL										
Channel substrate	1	2	3	4	5	6	7	8	9	10
Flow type	1	2	3	4	5	6	7	8	9	10
Channel modification(s)	1	2	3	4	5	6	7	8	9	10
Channel feature(s)	1	2	3	4	5	6	7	8	9	10
RIGHT BANK										
Mat. 2	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	1	2	3	4	5	6	7	8	9	10
Bank feature(s)	1	2	3	4	5	6	7	8	9	10
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use choice one from: 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.										
LAND USE WITHIN 5m OF BANKTOP (3)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) RUGH	1	2	3	4	5	6	7	8	9	10
RIGHT BANK-TOP (structure within 1m) RUGH	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANK TOP (3)	1	2	3	4	5	6	7	8	9	10
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (≥ 33% area) or / (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end 'half-full' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)										

P45128 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3499

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Proedra/mixed woodland (M)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/wind-improved grass (IG)		
Serub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

III. BANK PROFILES (Use R (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unfused			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set-back embankments		

IV. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E
None			E ≥ 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

V. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascades(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - spilling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P45128 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Banktop height (m)	RIGHT BANK
Banktop width (m)	2.00	Banktop height (m)	2.00
Banktop height (m)	2.00	Banktop width (m)	2.00
Banktop width (m)	2.00	Banktop height (m)	2.00

If bankline lower than banktop break in slope, indicate: height (m) 1.00 width (m) 2.00

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (RFE only)

M. ARTIFICIAL FEATURES (Use 1-4 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 2 Weirs = 0 Outfalls = 200 Fords = 0

Footbridges = 1 Roadbridges = 1 Other = 0

In water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-cutting ☐ enhancement ☐ none ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Brick/built channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flank ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: LARGE STREAM IN LIGHTLY WOODED SUBURBAN AREA.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6RB

P45128 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3500

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ 349 454 River: CLWY WEDOG

Date: 21/5/1995 Time: 2:00pm (13:00) Surveyor name: M.D. + M.C.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

2 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorgo ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total number)

Riffles 7 Unvegetated point bars 2

Pools 6 Vegetated point bars 0

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed every channel within a 2m wide zone)

Stat. or Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. # 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	SC	SC	SC	SC	SC	SC	NO
CHANNEL										
Channel substrate #	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type #	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. # 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CP, SH, SC, RP, SR, OR, PL, TL, SW										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) BAUSE	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK TOP (structure within 1m) BAUSE	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (in 33% area) or if present)										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/grasses										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P45128 10/15

P45128

SITE NO. 3500 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile (if different from above, other than predominant bank)			Poached		
			Embankment		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascades(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - white-water			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	2.0	Banktop height (m)
Banktop height (m)	2.0	Banktop height (m)
Banktop height (m)	2.0	Banktop height (m)

If transect lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only)

M. ARTIFICIAL FEATURES (Use 1-4 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 3 Piers = 0

Floodbridges = 0 Roadbridges = 0

In water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/drain channels	Natural open water
Debris dams	Water meadow
Landfill debris	Fen
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-4)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: ACTIVE MEANDERING GRAVEL-BEDDED SMALL RIVER ON A STABLE FLOODPLAIN

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc): RATS?

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P45128

P45128

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Fluvial category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3501

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 5J 476445 River: W/TH BROCK

Date: 4/5/1995 Time: 10:00 Surveyor name: J.W. & J.M.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

1. Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total number)

Riffles 9 Unvegetated point bars 2

Pools 9 Vegetated point bars 0

National Rivers Authority

P4501.7L 1015

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Stat. or Material ☐ one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. ¹ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	EA	EA	EA	EA	EA	EA	EA	EA	EA
CHANNEL										
Channel substrate ⁴ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type ⁵ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	RP	SA	SA	SA	SA	SA	SA	SA	SA	SA
Channel modification(s) ⁶ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ⁷ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK										
Stat. ¹ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	EA	EA	EA	EA	EA	EA	EA	EA	EA
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 1m wide transect)										
Land use: choose one from 1L, 1P, 2L, 2P, 3L, 3P, 4L, 4P, 5L, 5P, 6L, 6P, 7L, 7P, 8L, 8P, 9L, 9P, 10L, 10P										
LAND USE WITHIN 5m OF BANKTOP (L)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
LEFT BANK-TOP (structure within 1m) ¹ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LEFT BANK FACE (structure) ² <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
RIGHT BANK FACE (structure) ³ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
RIGHT BANK-TOP (structure within 1m) ⁴ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LAND USE WITHIN 5m OF BANK TOP (R)	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or L (less than 33% area))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

The end 'batch-out' column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

P4501.7L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or L if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES - Use E (≥ 33% banklength) or L if present

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unreinforced			Recessed		
Vertical + toe			Reinforced - whole bank		
Step (> 45°)			Reinforced - top only		
Graze			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw per 5m of different form above, after taking predominant form			Peached		
			Enbanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
Left	Right	None	Present E
None			
Isolated/scattered			
Regularly spaced, single			
Occasional clumps			
Semi-continuous			
Continuous			
		Shading of channel	
		Overhanging boughs	
		Exposed bankside roots	
		Underwater tree roots	
		Fallen trees	
		Coarse woody debris	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - mid-channel			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Rus(s) - disturbed, rippled			Mature island(s)		
Bar(s) - upwelling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P4501.7L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	10-50	RIGHT BANK	Banktop width (m)	10-50
Banking height (m)	2-10		Banking height (m)	2-10	
Embanked height (m)	Water depth (m)	0-10	Embanked height (m)	Water depth (m)	0-10
If embankment lower than banktop break in slope, indicate height (m) width (m)					
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>					
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other (tick one box) Slope (H/E only)					
M. ARTIFICIAL FEATURES (Use 1-4 indicate total number, tick 'none' where appropriate)					
None <input checked="" type="checkbox"/> Number of Culverts = Weirs = Outfalls = Fords =					
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>					
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)					
dredging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State					
weed-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>					
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))					
CHANNEL		FLOODPLAIN (50m corridor)			
Waterfalls > 5m high		Artificial open water		Bog	
Braided/side channels		Natural open water		Corr	
Debris dams		Water meadow		Marsh	
Leafy debris		Fen		Flush	
P. CHOKED CHANNEL (Tick one box)					
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>					
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-4 or E)					
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State					
R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)					
Descriptive sentence: SEVERELY MANICURED GRASS BED RIVER					
Plants of note:					
Major conservation features:					
Major impacts:					
Incidental observations (animals etc):					
S. DISEASED ALDERS (Tick one box)					
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State					
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB					

P4501.7L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3506

Mid-section grid reference of network site if different from designated location:

COMPLETE THIS FOLLOWING FOR ALL SITES

Grid Reference: River: TRENT

Date (D/M/Y) 1995 Time: 16:15 Surveyor name: HO

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave/bowl ☐ left bank

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/4 then indicate total number)

Riffles: 1/4 Unvegetated point bars

Pools: 1/4 Vegetated point bars: 1/4

National Rivers Authority

P49424 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed nearest channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CP, SH, SC, SP, SW, GW, IG, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BA/SC	S	U	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	S	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) BA/SC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANKTOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or G (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (freehold)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)										

P49424 TL

SITE NO. 3506 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or G if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		F
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or G if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box					
			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right		Left	Right
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present		None	Present
Shading of channel			Exposed bedrock		
Overhanging boughs			Exposed boulders		
Exposed bankside roots			Unvegetated mid-channel bars		
Underwater tree roots			Vegetated mid-channel bars		
Fallen trees			Mature island(s)		
Coarse woody debris			Unvegetated side bars		
			Vegetated side bars		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P49424 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	5m	RIGHT BANK
Banktop height (m)	1.5m		Banktop height (m)
Embanked height (m)			Embanked height (m)
Water width (m)			Water depth (m)
Water depth (m)			width(m)
If trashline lower than banktop break in slope, indicate: height (m)			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)			
M. ARTIFICIAL FEATURES (Use 1/4 then indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/> Number of Culverts = 1 Weirs = Roadbridges = Outfalls = 1 Fords = 1			
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>			
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/> moving <input type="checkbox"/> Other ? State			
wood-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>			
O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)			
CHANNEL			
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)			
Braided/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>			
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>			
Leafy debris <input type="checkbox"/> Fen <input type="checkbox"/> Flush <input type="checkbox"/>			
P. CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/4 or E)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input checked="" type="checkbox"/> Other ? State			
R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive sentence: Flowing + straight stream through grassy on left scrub on right, probably reinforced or dredged in past, extensive channel			
Plants of note: vegetation - bankside vegetation young trees extensive			
Major conservation features: nettles + bromides (right bank)			
Major impacts: some willow flowers, velvet + cardamine pratensis (lady's smock).			
Incidental observations (animals etc):			
S. DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased trees? State			
SEND COMPLETED FORM TO IUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB			

P49424 TL

NRA RIVER HABITAT SURVEY 1995: 500M SWEEP UP

BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? _____ Navigation? _____

FIELD SURVEY DETAILS

Reference network site number: 3507

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: W080442 River: RETURN

Date (d.m.y): 13.00 Time: 13:20 Surveyor name: MD

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box) (1)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☒ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ _____

DIAGRAM NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 to indicate total number)

Riffles: 11 (4) Unvegetated point bars _____

Pools: _____ Vegetated point bars _____

National Rivers Authority

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NRA RIVER HABITAT SURVEY 1995: 500M SWEEP UP

Spot check 1 is: upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <u>SE, SO, CO, GS, EA, FE, CL, CC, SP, ST, GA, BR, BA, PV</u>	CR	CR	PR	AR	CC	ER	FR	FA	EA	LA
Bank modification(s) ² <u>NO, RI, PC, SC, EN</u>	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank feature(s) ³ <u>NO, NO, EC, SC, PV, ST, ST, ST</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ⁴ <u>NY, SE, SO, CO, GP, SA, SL, CL, AL</u>	NY	NY	BE	BE	BE	CD	CD	CD	CD	CD
Flow type ⁵ <u>FF, CL, SW, UP, CP, AP, UP, ST, ST, ST</u>	CF	RF	SW	RF	SW	SM	CF	RF	SM	SW
Channel modification(s) ⁶ <u>NO, NO, CY, RI, BA, PV</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ⁷ <u>NO, NO, AR, ST, ST, ST</u>	RO	RO	NO	RO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <u>SE, SO, CO, GS, EA, FE, CL, CC, SP, ST, GA, BR, BA, PV</u>	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s) ² <u>NO, RI, PC, SC, EN</u>	SB	SB	NO	SC	SC	SC	SC	SC	SC	SC
Bank feature(s) ³ <u>NO, NO, EC, SC, PV, ST, ST, ST</u>	SB	SB	NO	SC	SC	SC	SC	SC	SC	SC
	BL	CP	SW	SC	AP	VL	CW	SO	RL	SU
LAND USE WITHIN 5m OF BANKTOP (1)	BL	RL	SU	SU	SC	CP	RL	RL	EL	BL
LEFT BANK-TOP (structure within 1m) ⁸ <u>NO, NO</u>	S	S	S	S	S	S	C	C	C	C
LEFT BANK FACE (structure) ⁹ <u>NO, NO</u>	U	U	U	U	U	U	U	U	S	S
RIGHT BANK FACE (structure) ¹⁰ <u>NO, NO</u>	U	U	U	U	U	U	U	U	S	S
RIGHT BANK-TOP (structure within 1m) ¹¹ <u>NO, NO</u>	S	C	S	S	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (2)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

P4023.7L

NRA RIVER HABITAT SURVEY 1995: 500M SWEEP UP

SITE NO. 3507

LAND USE WITHIN 50m OF BANKTOP (tick one box only)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/best-improved grass (IG)		
Sods (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

BANK PROFILES (Use 1-11 to indicate total number)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grades			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant bank			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-coniferous			Fallen trees		
Continuous			Coarse woody debris		

EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Rum(s) - disturbed, rippled			Mature island(s)		
Boil(s) - upwellings			Unvegetated side bank		
Glide(s) - smooth, no eddies			Vegetated side bank		

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	LEFT BANK	RIGHT BANK
Banktop width (m)	2.5	1.5
Water width (m)	1.5	1.5
Banktop height (m)	1.5	1.5
Water depth (m)	0.20	0.20
Enhanced height (m)		

If trashes lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only)

ARTIFICIAL FEATURES (Use 1-11 to indicate total number, tick none where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State: _____

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial plain water ☒ Beg ☐ Other (state): _____

Braided/side channels ☐ Natural open water ☐ Carr ☒

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flats ☐

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use 1-11 to indicate total number, tick none where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Shallow fast-flowing river with exposed rocky bed on left bank

Plants of note: right bank grassy slope. One section heavily eroded

Major conservation features: valleys & mid-channel bars. variety of flow types

Major impact: erosion, little channel veg. mostly left bank

Incidental observations (animals etc): _____

DISEASED ALGAE (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P4023.7L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS:

Reference network site number: 352
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: River: C. 2. 2. 2
 Date 12/2/1995 Time: 12:00 Surveyor name H.C.
 Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only):

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number):

Riffles (13) Unvegetated point bars
 Pools Vegetated point bars (1)
 National Rivers Authority

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material ☐ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. ¹ 1E, 2O, 3G, 4L, 5J, 6C, 7F, 8W, 9A, 10R, 11B	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate ¹ 1E, 2O, 3G, 4L, 5J, 6C, 7F, 8W, 9A, 10R, 11B	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type ¹ 1F, 2C, 3W, 4U, 5P, 6A, 7S, 8D, 9N, 10B	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. ¹ 1E, 2O, 3G, 4L, 5J, 6C, 7F, 8W, 9A, 10R, 11B	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide margin)										
Land use: choose one from 1L, 2P, 3N, 4G, 5R, 6W, 7U, 8A, 9B, 10D	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK-TOP (structure within 2m) RUSC	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK FACE (structure) RUSC	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
RIGHT BANK FACE (structure) RUSC	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
RIGHT BANK-TOP (structure within 2m) RUSC	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (green))										
NONE (tick as appropriate)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (free)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

Site NO. 3504

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coniferous plantations (CP)		
Moorland/heath (MH)		
Scrub (SC)		
Rough pasture (RP)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Improved/semi-improved grass (IG)		
Tilled land (TL)		
Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Artificial/unmodified		
Reinforced		
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Peached		
Embanked		
Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	E in 33%	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfalls (w) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>
Cascades (c) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Roz(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Banktop height (m)	RIGHT BANK	Banktop width (m)	Banktop height (m)
	1.2m	1.2m		6.75	1.2m
	Water width (m)	Water depth (m)		0.30	Enbanked height (m)
	Enbanked height (m)				

If trawl line lower than banktop break in slope, indicate: height (m) width (m)
 Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? Site
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/rive channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fra
	Beg
	Carr
	Marsh
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? Site

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Flowing through grassy, very erodible banks, bank top, narrow line of trees (willows, ash, alder, birch) some plants of note: alder, willow (probably, some alder)*
 Major conservation features: *at risk of severe erosion, very erodible, difficult to cross any channel vegetation - 1.5m x 1.5m thick tree*
 Major impacts: *at risk of severe erosion, very erodible, difficult to cross*
 Incidental observations (animals etc): *chickadee, tit, sparrow*

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? Site

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

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NRA RIVER HABITAT SURVEY 1995 IFE P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS:

Reference network site number: 3513
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: SK 675494 River: THURGATON BECK
 Date 21.6.1995 Time: 13:40 Surveyor name TH. J. (PH) IGA 7049
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with 50m x 15m! (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/extra diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 9 Unvegetated point bars 3
 Pools 5 Vegetated point bars
 IFE-M-B = 500 x 100 (m²)

National Rivers Authority

DATES: record ground unaltered debris

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 9 Pools 5 Unvegetated point bars 3 Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone) (tick one box per feature)

Spot check 1 is site upstream and downstream

LEFT BANK:
 Bank material (fine) EA EA EA EA EA BR EA EA EA EA
 Bank modification(s) NO NO RS NO NO RS RS NO
 Bank features(s) NO NO NO NO NO NO NO NO NO

CHANNEL NOTE:
 Channel substrate (fine) SP SP SP SP SP SP SP SP SP SP
 Flow type (fine) SM NP NP NP NP NP NP NP NP NP
 Channel modification(s) NO RS RS NO NO NO NO NO NO
 Channel features(s) NO NO NO NO NO NO NO NO NO

RIGHT BANK:
 Bank material (fine) EA EA EA EA EA BR EA EA EA EA
 Bank modification(s) NO NO NO RS NO RS NO NO NO
 Bank features(s) NO NO NO NO EC NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land uses: choose one from BL, CP, MC, SC, SP, SE, SW, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L) BL TL TL TL TL TL TL TL TL TL
 LEFT BANK-TOP (structure within 1m) U S S S U U U S U
 LEFT BANK FACE (structure) U S S S U C U U S
 RIGHT BANK FACE (structure) S S S S S C S U U
 RIGHT BANK-TOP (structure within 1m) S U S S S S S U U
 LAND USE WITHIN 5m OF BANK TOP (R) BL TL TL BL BL BL TL TL TL TL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry use E (≥ 33% area) or 2 (green))

NONE (tick) ☒ Plant genera (tick one)
 Liverwort ☐ Mosses/lichens ☐ Emergent broad ☐ Figwort ☐
 Emergent narrow ☐ Water lilies ☐ Water lilies ☐ Floating-leaved ☐
 Free-floating ☐ Amphibious ☒ Submerged ☐ Submerged float ☐ Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 2)

PLANTS - Use 1st letters of genera of Potamogeton + species if possible of Potamogeton + Potamogeton

REF: 1 SITE NO. 3513 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or 2 if present)

L **R** **L** **R**

Broadleaf/deciduous woodland (BL) ☒ ☒ Wetland (eg bog, marsh, fen) (WZ)
 Coniferous plantation (CP) ☐ ☒ Open water (OW)
 Moorland/heath (MH) ☐ Improved/semi-improved grass (IG)
 Scrub (SC) ☐ Tilled land (TL)
 Rough pasture (RP) ☐ Suburban/urban development (SU)

I. BANK PROFILES: Use E (≥ 33% banklength) or 2 if present

Natural/unmodified **L** **R** **Artificial/modified** **L** **R**

Vertical/undercut 2 2 E E Resectioned ☐ ☒ E
 Vertical + toe ☐ ☒ Reinforced - whole bank ☐ ☒ E
 Steep (>45°) ☐ ☒ Reinforced - top only ☐ ☒
 Gentle ☐ ☒ Reinforced - toe only ☐ ☒
 Composite ☐ ☒ Artificial two-stage ☐ ☒
 Use this space to draw profile if different from above, after making predominant use

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank) **ASSOCIATED FEATURES (Tick one box per feature)**

None ☐ Left ☐ Right WATER ☐ Shading of channel ☐ None ☐ Present ☒ NO TREES
 Isolated/scattered ☐ ☐ Overhanging boughs ☐ ☒
 Regularly spaced, single ☐ ☐ Exposed bankside roots ☐ ☒
 Occasional clumps ☐ ☐ Underwater tree roots ☐ ☒
 Semi-continuous ☐ ☒ Fallen trees ☐ ☒
 Continuous ☐ ☐ Coarse woody debris ☐ ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☐ ☒ Marginal deadwater - silt ☐ ☒ WATER
 Cascade(s) - chute ☐ ☒ Exposed bedrock ☐ ☒
 Step/pool sequences ☐ ☒ Exposed boulders ☐ ☒
 Rapid(s) - whitewater ☐ ☒ Unvegetated mid-channel bars ☐ ☒
 Riffle-pool sequences ☐ ☒ Vegetated mid-channel bars ☐ ☒
 Run(s) - disturbed, rippled ☐ ☒ Mature island(s) ☐ ☒
 Boil(s) - upwellings ☐ ☒ Unvegetated side bars ☐ ☒
 Glide(s) - smooth, no eddies ☐ ☒ Vegetated side bars ☐ ☒

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES: Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) 6.0 Banktop height (m) 1.20
 Banktop height (m) 0.70 Water width (m) 1.25
 Embankment height (m) 0.12 Water depth (m) 0.90
 If threshold lower than banktop break in slope, indicate height (m) 0.90 width (m) 3.0

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐
 Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFK only)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Feeds = 1
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ (tick one box) Part of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ moving ☐ Other? State P.O.P. P.O.P.
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL **FLOODPLAIN (50m corridor)**

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Lash debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Downstream of bridge left bank contains trees overgrown.
 Plants of note: upstream of bridge isolated section has on left side a 20m x 10m area of old sheep dip ab bridge very little flow.
 Major conservation features: old sheep dip ab bridge very little flow.
 Incidental observations (animals etc):

IFE 2 channels by the left bank ☒ Filtered ☒

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? **NO** Navigation? **NO**

B. FIELD SURVEY DETAILS:

Reference network site number: **3514**

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **SK 765415** River: **SMITE**

Date: **21.6/1995** Time: **16:50** Surveyor name: **TH. TW. PH. 16 AK 704**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) **with Site No. m!**

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles **4** Unvegetated point bars **0**

Pools **0** Vegetated point bars **0**

IFE - M - S - see notes (p. 13)

National Rivers Authority

DATES: head ground water water channel

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles **111** Pools **1** Unvegetated point bars **1** Vegetated point bars **1**

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (4) (tick one)

Spot check 1 is at upstream end of site ☐ downstream ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK (tick one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE (tick one)	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Channel substrate (fine)	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Flow type (fine)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick one)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)

Land use: choose one from BL, CP, IOL, SC, RP, SL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U	U

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (≥ 33% cover) or / (present))

VEGETATION TYPE	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
NONE (tick)											
Liverwort											
Emergent broad-leaved											
Emergent red-leaved											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged flat-leaved											
Flamboyant algae											

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANT S - Use 1-6 codes of Gross & Pien, plus vegetation + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined box			Perched		
			Embedded		
			Step-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	NOTES
None				E ≥ 33%				
Isolated/scattered				Shading of channel				
Regularly spaced, single				Overhanging boughs				
Occasional clumps				Exposed bankside roots				
Semi-continuous				Underwater tree roots				
Continuous				Fallen trees				
				Coarse woody debris				

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	NOTES
Waterfall(s) - freefall				Marginal deadwater - slack				
Cascade(s) - chute				Exposed bedrock				
Step/pool sequence				Exposed boulders				
Rapid(s) - whitewater				Unvegetated mid-channel bars				
Riffle-pool sequence				Vegetated mid-channel bars				
Run(s) - disturbed, rippled				Mature island(s)				
Boil(s) - upwelling				Unvegetated side bars				
Glide(s) - smooth, no eddies				Vegetated side bars				

Have you completed your request form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Banktop height (m)
Banktop width (m)	18.0		Banktop height (m)	3.0	
Banktop height (m)		6.0	Water width (m)		3.0
Banktop width (m)			Water depth (m)		
Banktop height (m)			Banktop height (m)		

If trashline lower than banktop break in slope, indicate: height (m) **1.50** width (m) **12.0**

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = **1** Weirs = **1** Outfalls = **1** Fords = **1**

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: **...**

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (90m corridor)	Other (state)
Waterfalls > 5m high	Artificial open water	Bog
Braided/wide channels	Natural open water	Carr
Debris dams	Water meadow	Marsh
Leafy debris	Fen	Fluck

P. CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel checked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-6)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: **...**

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentences: **Small, resectioned river, shallow, fast flow, shading, debris (down bank, not in river), Phragmites on both banks.**

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE channel only ☒ IFE river ☐

S. DISTURBED RIVERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disturbed river? State: **...**

SEND COMPLETED FORM TO: JUDITH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding - labels supplied separately

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3515

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Wickham

Date: 15.10.1995 Time: 14:10 Surveyor name: HQ

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Get check 1 in at upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	EC	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. = Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DM, EC, EP, FL, GW, IO, IL, IS

	BL	CP	DM	EC	EP	FL	GW	IO	IL	IS
LAND USE WITHIN 5m OF BANKTOP (L)	BL	CP	DM	EC	EP	FL	GW <td>IO</td> <td>IL</td> <td>IS</td>	IO	IL	IS
LEFT BANK-TOP (structure within 1m) EVISC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) EVISC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) EVISC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) EVISC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CP	DM	EC	EP	FL	GW <td>IO</td> <td>IL</td> <td>IS</td>	IO	IL	IS

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or F (present))

	E	F
NONE (tick as appropriate)		
Liverworts/mosses/lichens		
Emergent broad-leaved herbs ^{with h.c.a.}		
Emergent reeds/sedges/rushes ^{with h.c.a.}		
Floating-leaved (rooted)		
Free-floating		
Amphibious		
Submerged broad-leaved ^{with h.c.a.}		
Submerged fine-leaved ^{with h.c.a.}		
Filamentous algae		

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Straw (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced + whole bank		
Steep (> 45°)			Reinforced + top only		
Grass			Reinforced + toe only		
Composite			Artificial two-stage		
Use this space to draw profile					
Use 10m scale from above, show					
existing profile/section box					
			Postbed		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E (≥ 33%)	Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascades(s) - chute				Exposed bedrock			
Step-pool sequence				Exposed boulders			
Rapid(s) - white-water				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Rush(s) - disturbed, rippled				Mature island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Banktop width (m)	9m	Banktop width (m)	9m
Banktop height (m)	0.75	Banktop height (m)	0.6
Embanked height (m)	0.65	Embanked height (m)	0.65

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (FFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = ☐ Weirs = ☐ Outfalls = ☐ Fords = ☐

Footbridges = ☐ Roadbridges = ☐ Other = ☐

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high		Artificial open water	
Bridled/side channels		Natural open water	
Debris dams		Water meadow	
Loose debris		Fra	
		Bog	
		Carr	
		Marsh	
		Flush	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Overgrown straightened river through open land, some trees

Plants of note: Scrub on both banks - upper section less channel vegetation

Major conservation features:

Major impacts:

Incidental observations (animals etc): Worms of fish 6-7" dark - trout?

Heron

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3516

Mid-section grid reference of network site (if different from designated location):

Grid Reference: River: *Brant*

Date: 12/6/1995 Time: 15:45 Surveyor name: *HO*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles *2* Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P-401/17L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. ¹ <i>EA, CO, CL, FA, FE, CL, CC, SP, WP, GA, PA, RA, RW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ² <i>NO, RL, RL, CA, LM</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <i>NO, NO, EC, SC, FP, VP, RA, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel substrate ⁴ <i>NO, NO, CO, GP, SA, SL, CL, AR</i>	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type ⁵ <i>IF, CH, W, UN, CF, SP, SP, SP, SP, NO</i>	UN	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) ⁶ <i>NO, NO, CO, RL, CA, LM</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ⁷ <i>NO, NO, EC, SC, FP, VP, RA, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	CC	TA	TA	TA	TA	TA	TA	TA	TA	TA
Mat. ¹ <i>EA, CO, CL, FA, FE, CL, CC, SP, WP, GA, PA, RA, RW</i>	CC	TA	TA	TA	TA	TA	TA	TA	TA	TA
Bank modification(s) ² <i>NO, RL, RL, CA, LM</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ³ <i>NO, NO, EC, SC, FP, VP, RA, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from RL, CP, HIL, SC, ST, WZ, OW, IS, TL, SU	EL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	EL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) ⁸ <i>BA, UC</i>	C	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) ⁹ <i>BA, UC</i>	B	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) ¹⁰ <i>BA, UC</i>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) ¹¹ <i>BA, UC</i>	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs ¹² <i>W, H, S, P, D, F, G, L, C, A, M</i>										
Emergent reeds/sedges/rushes ¹³ <i>W, H, S, P, D, F, G, L, C, A, M</i>										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F) †

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SITE NO. 3516 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved/mailed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/unmodified			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composites			Artificial two-stage		
Use site space to draw profile if different from above, after taking predominant bank			Peached		
			Embedded		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
Left	Right	E ≥ 33%	None Present E
None	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E		None Present E	
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>
Cascades(s) - chute	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
Scarp/pool sequence	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>
Rapid(s) - white-water	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>
Runs(s) - disturbed, rippled	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>
Bells(s) - upwellings	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>

P-401/17L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2 m	RIGHT BANK
Banktop height (m)	0.5	Water width (m)	2 m
Banktop height (m)	0.5	Water depth (m)	0.07
Banktop height (m)	0.5	Banktop height (m)	0.5
Banktop height (m)	0.5	Banktop height (m)	0.5

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/wide channels	Natural open water
Debris dams	Water meadow
Large debris	Fen
	Doq
	Care
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *One deep straightened channel with variety in flow, occasional clumps of vegetation lining just right.*

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKEHAM, BN12 6BB

P-401/17L

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3517

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Slea

Date: 12/6/1995 Time: 16:35 Surveyor name: H.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Rifles Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P45128 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide zone)

Mat. = Material = one entry only

1 2 3 4 5 6 7 8 9 10

LEFT BANK

Mat. EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL

Channel substrate NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Flow type IF, OF, OF, OF, OF, OF, OF, OF, OF, OF

Channel modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK

Mat. EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, 1R, 2L, 2R, 3L, 3R, 4L, 4R, 5L, 5R, 6L, 6R, 7L, 7R, 8L, 8R, 9L, 9R, 10L, 10R

LAND USE WITHIN 5m OF BANKTOP (L) 1L 1R 2L 2R 3L 3R 4L 4R 5L 5R 6L 6R 7L 7R 8L 8R 9L 9R 10L 10R

LEFT BANK-TOP (structure within 1m) 1L 1R 2L 2R 3L 3R 4L 4R 5L 5R 6L 6R 7L 7R 8L 8R 9L 9R 10L 10R

LEFT BANK FACE (structure) 1L 1R 2L 2R 3L 3R 4L 4R 5L 5R 6L 6R 7L 7R 8L 8R 9L 9R 10L 10R

RIGHT BANK FACE (structure) 1L 1R 2L 2R 3L 3R 4L 4R 5L 5R 6L 6R 7L 7R 8L 8R 9L 9R 10L 10R

RIGHT BANK-TOP (structure within 1m) 1L 1R 2L 2R 3L 3R 4L 4R 5L 5R 6L 6R 7L 7R 8L 8R 9L 9R 10L 10R

LAND USE WITHIN 5m OF BANK TOP (R) 1L 1R 2L 2R 3L 3R 4L 4R 5L 5R 6L 6R 7L 7R 8L 8R 9L 9R 10L 10R

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (less than 33%))

NONE (tick as appropriate)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Emergent reeds/sedges/robes

Flowering-leaved (reeds)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine/linear-leaved

Filamentous algae

Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P45128 TL

SITE NO. 3517 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if percent)

Broadleaf/mixed woodland (BL) ☒ ☒ Wetland (eg bog, marsh, fen) (WJ) ☐ ☐

Coniferous plantation (CF) ☐ ☐ Open water (OW) ☐ ☐

Moorland/heath (MH) ☐ ☐ Improved/semi-improved grass (IG) ☐ ☐

Scrub (SC) ☒ ☒ Tilled land (TL) ☐ ☐

Rough pasture (RP) ☐ ☐ Suburban/urban development (SU) ☐ ☐

I BANK PROFILES (Use E (≥ 33% banklength) or F if percent)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ ☒ Reinforced ☐ ☐

Vertical + toe ☒ ☒ Reinforced - whole bank ☐ ☐

Steep (> 45°) ☒ ☒ Reinforced - top only ☐ ☐

Grass ☒ ☒ Reinforced - toe only ☐ ☐

Composite ☐ ☐ Artificial two-stage ☐ ☐

Use this space to draw profile if different from above, after taking predominant box

Reinforced ☐ ☐

Embedded ☐ ☐

Set-back embankments ☐ ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ E ≥ 33% ☐ None ☐ Present ☒

Isolated/scattered ☒ ☒ Shading of channel ☐ ☐

Regularly spaced, single ☐ ☐ Overhanging boughs ☐ ☐

Occasional clumps ☐ ☐ Exposed bankside roots ☐ ☐

Semi-continuous ☐ ☐ Underwater tree roots ☐ ☐

Continuous ☐ ☐ Fallen trees ☐ ☐

Associated features (Tick one box per feature)

None ☐ Present ☒

Exposed bedrock ☐ ☐

Exposed boulders ☐ ☐

Unvegetated mid-channel bars ☐ ☐

Vegetated mid-channel bars ☐ ☐

Mature island(s) ☐ ☐

Unvegetated side bars ☐ ☐

Vegetated side bars ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☐ ☐ Marginal deadwater - slack ☐ ☐

Cascade(s) - chute ☐ ☐ Exposed bedrock ☐ ☐

Step/pool sequence ☐ ☐ Exposed boulders ☐ ☐

Rapid(s) - whitewater ☐ ☐ Unvegetated mid-channel bars ☐ ☐

Riffle-pool sequence ☐ ☐ Vegetated mid-channel bars ☐ ☐

Run(s) - disturbed, rippled ☐ ☐ Mature island(s) ☐ ☐

Boil(s) - upwellings ☐ ☐ Unvegetated side bars ☐ ☐

Glide(s) - smooth, no eddies ☐ ☐ Vegetated side bars ☐ ☐

P45128 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Backstop width (m) 3.5m RIGHT BANK

Backstop height (m) 0.50 Water width (m) 3m Backstop height (m) 0.50

Banked height (m) 0.20 Water depth (m) 0.20 Banked height (m) 0.20

If transition lower than backstop break in slope, indicate: length (m) width (m)

Bed material at site is: consolidated (temp) ☐ unconsolidated (fine) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Reservoirs = Outfalls = Ponds =

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Bricks/side channels ☐ Artificial open water ☐ Bog ☐ Other (state)

Debris dams ☐ Natural open water ☐ Cuts ☐

Loose debris ☐ Water meadow ☐ Marsh ☐

Fra ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 or E)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Once riverbed was straightened and now left to get overgrown, through set aside land - rough grass & new trees

Plants of note: Very deep silt > 1m, river is very wide in places

Major conservation features: but only some stop.

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P45128 TL

DATE. Recd	processed	validated	duplicates checked
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12-4-76			
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12-6-76			
12-7-76			

PLANTS - Use 1st 4 letters of genus or Pota: Potamogeton
+ species if possible eg Pota feet: Potamogeton pectinatus

Have you completed your expenses for this week? (send to FHD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied as above

NRA RIVER HABITAT SURVEY 1995 IFA 10-1A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B FIELD SURVEY DETAILS

Reference network site number: 3520

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES JL DH I H C C M L

Grid Reference: 3520 River: 3520

Date 21/1/95 Time: 11:17 Surveyor name: G.C. M.L.V. H.D. 126 FND

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box) with site no. 1

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE 10-1d - See notes page 13

National Rivers Authority

DATES: record 21/1/95 present 21/1/95 visited 21/1/95 details 21/1/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (4) Mark position of feature (4)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10	Total
LEFT BANK (looking downstream)											
Mat. <u>FE, CO, CL, LE, CE, CP, SP, ST, GA, BR, BW</u>	FA	EA	CA	EA	FA	EA	EA	EA	EA	EA	
Bank modification(s) <input checked="" type="checkbox"/> NO, AS, RI, FC, BR, BM, SM	RS	RS	RS	NO	NO	RS	RS	RS	RS	RS	
Bank feature(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, PS, VP, SB, VS	NO	NO	NO	EC	SC	NO	NO	NO	NO	NO	
CHANNEL NOTE - Use same box for aspects of interest											
Channel substrate (one) <u>NO, FE, CO, CL, LE, CE, CP, SP, ST, GA, BR, BW</u>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
Flow type (one) <u>FF, CL, BW, VP, CF, SP, ST, GA, BR, BW</u>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
Channel modification(s) <input checked="" type="checkbox"/> NO, NO, RI, RI, RI, RI	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	
Channel feature(s) <input checked="" type="checkbox"/> NO, NO, RI, RI, RI, RI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (looking downstream)											
Mat. <u>FE, CO, CL, LE, CE, CP, SP, ST, GA, BR, BW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) <input checked="" type="checkbox"/> NO, AS, RI, FC, BR, BM, SM	RS	RS	RS	NO	NO	RS	RS	RS	RS	RS	
Bank feature(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, PS, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from BL, CP, MH, SC, SP, ST, GA, BR, BW											
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	
LEFT BANK-TOP (structure within 1m) <u>BL, CP, MH, SC, SP, ST, GA, BR, BW</u>	C	C	C	C	C	C	C	C	C	C	
LEFT BANK FACE (structure) <u>BL, CP, MH, SC, SP, ST, GA, BR, BW</u>	S	U	U	S	S	U	U	S	S	S	
RIGHT BANK FACE (structure) <u>BL, CP, MH, SC, SP, ST, GA, BR, BW</u>	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK-TOP (structure within 1m) <u>BL, CP, MH, SC, SP, ST, GA, BR, BW</u>	S	B	B	B	B	B	B	B	B	B	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))											
NONE (tick) <u>Plant genera (list in notes)</u>											
Liverworts/mosses/lichens <u>None</u>											
Emergent broad-leaved herbs <u>None</u>											
Emergent reedy/sedges/rushes <u>None</u>											
Floating-leaved (free-floating) <u>None</u>											
Free-floating <u>None</u>											
Submerged - broad-leaved <u>None</u>											
Submerged fine-leaved <u>None</u>											
Filament, algae <u>None</u>											

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1st 4 letters of genus & 1st 3 letters of species if possible of both parts of botanical nomenclature

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		E

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified <u>2/2</u>	✓		Artificial/unmodified		
Vertical/unmodified <u>2/2</u>	✓		Resectioned		
Vertical + toe <u>2/2</u>			Reinforced - whole bank		
Steep (> 45°) <u>2/2</u>			Reinforced - top only		
Gentle <u>2/2</u>			Reinforced - toe only		
Composite <u>2/2</u>			Artificial two-stage		
Use this space to draw profile if different from above, after listing predetermined box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left	Right	E (≥ 33%)	None	Present
Isolated/scattered				Shading of channel	
Regularly spaced, single				Overhanging boughs	
Occasional clumps				Exposed bankside roots	
Semi-continuous				Underwater tree roots	
Continuous				Fallen trees	
				Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None			Present			None			Present		
Waterfall(s) - free-fall						Marginal deadwater - silt					
Cascade(s) - chute						Exposed bedrock					
Step/pool sequence						Exposed boulders					
Rapid(s) - whitewater						Unvegetated mid-channel bars					
Riffle-pool sequence						Vegetated mid-channel bars					
Run(s) - disturbed, rippled						Mature island(s)					
Boil(s) - upwellings						Unvegetated side bars					
Glide(s) - smooth, no eddies						Vegetated side bars					

Have you completed your exercises from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2.5m	RIGHT BANK
Water width (m)	2.70		Banktop height (m)
Embanked height (m)			Water depth (m)
			Embanked height (m)

If transect lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____

Footbridges = _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☒ Other? State _____

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Bruided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flugh <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: A LARGE RUN WITH A HIGHLY REACTIVE CHANNEL. THE

Plants of note: RIGHT BANK IS REVEGETATED AND HAS BEEN RECENTLY

Major conservation features: MOWN. THE LEFT BANK HAS BEEN REVEGETATED

Major impacts: BUT HAS BEEN LEFT TO A CONTINUOUS POND

Incidental observations (animals etc): FRANKLIN'S. THE RUN WAS APPROX

TO A 'B' ROAD. NO WATER WAS OBSERVED

IFE channel only by the D field

S DISEASED ALDKS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other disease? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for printing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995: IFA P-1-A Page 1 of 4

A BACKGROUND MAP BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Soil geology code Ditch geology code Plankton category
 Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3521
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: TF724442 River: TW, TN, PH, ILAK, TM
 Date: 11.11.1995 Time: 11.20 Surveyor name: (signature)
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + NATURAL / MODIFIED

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 IF E = 100 - See survey notes

National Rivers Authority

DATES: record ground visited details

NRA RIVER HABITAT SURVEY 1995: TSN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site
 Spot check 2 is at downstream end of site
 LEFT BANK looking downstream

Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL NOTE Use the following codes to describe channel features

Channel substrate (fine)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type (fine)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK looking downstream

Bank material (fine)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, NH, SC, SP, SL, GW, AL, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (in 33% area) or 1 (present))

NONE (tick)	Plant species (list)									
Liverworts										
Mosses/lichens										
Emergent broad										
Yard herbs										
Emergent reeds										
Submerged reeds										
Planting (seed)										
Free-floating										
Amphibious										
Schmied										
Submerged fine										
Planting (seed)										
Planting (seed)										

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 1)

PLANTS = Use list of plants in the survey notes + species of plants in the survey notes

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or 1 if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or 1 if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Revetment		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	E (in 33%)	None	Present	Notes
None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel						
Overhanging boughs						
Exposed bankside roots						
Underwater tree roots						
Fallen trees						
Coarse woody debris						

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfall(s) - free-fall			
Cascade(s) - chute			
Step/pool sequence			
Rapid(s) - white-water			
Riffle-pool sequence			
Run(s) - disturbed, rippled			
Boil(s) - upwellings			
Glide(s) - smooth, no eddies			

ASSOCIATED CHANNEL FEATURES (Tick one box per feature)

Marginal deadwater - slack			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Mature island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5	RIGHT BANK
Banktop height (m)	1.5	Banktop height (m)	1.5
Banktop height (m)	0.2	Banktop height (m)	0.2

M ARTIFICIAL FEATURES (Use 1 if present, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ None ☐ None ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: ☒ straightened
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/stone channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fra
	Bog
	Cart
	Marsh
	Flush

P COOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 if present, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Straightened ditch in field, running alongside edge of coastal marshland
 Plants of note: ☐
 Major restoration features: ☐
 Major impacts: Agricultural land runoff
 Incidental observations (animals etc): ☐

S DISEASED WILDS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased weeds? State: ☐

SEND COMPLETED FORM TO HUGH DAWSON, IFA, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied at top

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3522

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TF856407 River: Burn

Date: 1.1.6/1995 Time: 13.20 Surveyor name: J. H. P. H. L. A. K. T. G. W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. on Board:

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other diagrams

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1H1 then indicate total number)

Rifles 5 Unvegetated point bars

Pools Vegetated point bars

IFE = 1.0 - 5.0 (see 1.1.1)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

Spot check 1 is at: upstream end of site ☒ mid-site ☐ downstream end ☐

LEFT BANK: Bank material (fine) NO, NO, CO, GL, SL, FE, CL, EA, FA, LA, EA, FA, EA

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL NOTE: Use: bankline, pool, riffle, point bar, etc.

Channel substrate (fine) NO, NO, CO, GL, SL, FE, CL, EA, FA, LA, EA, FA, EA

Flow type (one) FF, CL, W, W, W, W, W, W, W, W, W, W

Channel modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK: Bank material (fine) NO, NO, CO, GL, SL, FE, CL, EA, FA, LA, EA, FA, EA

Bank modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, NH, SC, LP, WL, GW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) SU, SU, SU, SU, SU, SU, SU, SU, SU, SU

LEFT BANK-TOP (structure within 1m) BAUSC U, U, U, U, U, U, U, U, U, U

LEFT BANK FACE (structure) BAUSC U, U, U, U, U, U, U, U, U, U

RIGHT BANK FACE (structure) BAUSC U, U, U, U, U, U, U, U, U, U

RIGHT BANK-TOP (structure within 1m) BAUSC U, U, U, U, U, U, U, U, U, U

LAND USE WITHIN 5m OF BANK TOP (R) SU, SU, SU, SU, SU, SU, SU, SU, SU, SU

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per R (2-10) area or V (present))

NONE (tick)

Emergent broad-leaved ☒ Phragmites

Emergent narrow-leaved ☒ Carex

Free-floating ☒ Algae

Amphibious ☒

Submerged ☒

Submerged fine-leaved ☒

Fileweed, algae ☒

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

H PLANTS - Use tick boxes of groups of plants, ticks indicate species if possible of particular plant species

DATES: heard from 1995

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I LAND USE WITHIN 50m OF BANKTOP (Use E (2-10) banklength or F if present)

Broadleaf/woodland (BL) Wetland (eg bog, marsh, fen) (WZ)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

J BANK PROFILES (Use E (2-10) banklength or F if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut 7 2 Reasoned 7 2

Vertical + toe 7 2 Reinforced - whole bank 7 2

Steep (>45°) 7 2 Reinforced - top only 7 2

Grass 7 2 Reinforced - toe only 7 2

Composite 7 2 Artificial two-stage 7 2

Use this space to draw profile of different bank above, after taking predetermined box

K EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ WTS ☐ E 2-10% ☐ None ☐ Present ☐ No TFS

Isolated/scattered ☒ Shading of channel ☒

Regularly spaced, single ☐ Overhanging boughs ☒

Occasional clumps ☐ Exposed bankside roots ☒

Semi-continuous ☐ Underwater tree roots ☒

Continuous ☐ Fallen trees ☒

Coarse woody debris ☒

L EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐

Cascade(s) - chute ☐ Exposed bedrock ☐

Step-pool sequence ☐ Exposed boulders ☐

Rapid(s) - white-water ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐

Run(s) - disturbed, rippled ☐ Mature island(s) ☐

Boil(s) - upwellings ☐ Unvegetated side bars ☐

Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 3.5 RIGHT BANK

Banktop height (m) 0.25 Water width (m) 3 Banktop height (m) 0.5

Embanked height (m) Water depth (m) 0.2 Embankment height (m)

If transverse lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1H1 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 3 Weirs = 0 Outfalls = 0 Feeds = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/belt of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other 7 State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flut ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1H1 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: 1st 5 spot checks narrow and fast flowing beside 100m second 5 broader slower flowing through pasture

Plants of note:

Major conservation features:

Major impacts: cattle poaching

Incidental observations (animals etc):

IFE = 2.0 - 5.0 (see 1.1.1)

S DISEASED TREES (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐ State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995 IFB 1.1A Page 3 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3523

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TF950402 River: Cinham

Date 7.1.6.1995 Time: 09:15 Surveyor name: [Signature]

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: []

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photograph: general character? No ☐ Yes ☒ (tick one box) with site No. []

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORMS (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other []

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 14 Unvegetated point bars []

Pools 3 Vegetated point bars []

IFB 1.1A - See also 1.1B

DATES, RECORD, PLANNED, UNPLANNED, DELIVERABLES

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☒ Unvegetated point bars ☒ Vegetated point bars ☒

E PHYSICAL ATTRIBUTES (to be assessed across channel within 5m wide zone)

Spot check 1 is at: upstream end ☐ downstream end ☒

LEFT BANK (looking downstream)

Bank material (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL NOTE: []

Channel substrate (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Flow type (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK (looking downstream)

Bank material (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, SH, SC, SP, WL, GP, JO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) ☒ SG, SC, LG, LR, LG, LG, LG, LG, LG, LG

LEFT BANK FACE (structure) ☒ SG, SC, LG, LR, LG, LG, LG, LG, LG, LG

RIGHT BANK-TOP (structure within 1m) ☒ SG, SC, LG, LR, LG, LG, LG, LG, LG, LG

RIGHT BANK FACE (structure) ☒ SG, SC, LG, LR, LG, LG, LG, LG, LG, LG

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry use E (≥ 33% area) or F (present))

NONE (tick) ☒ Plant species (list in [])

Emergent broad-leaved herbs ☒ []

Emergent reeds ☒ []

Flowering-leaved ☒ []

Free-floating ☒ []

Amphibious ☒ []

Submerged broad-leaved ☒ []

Submerged fine-leaved ☒ []

Filamentous algae ☒ []

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use list of plants of Cinham & [] to be negative & species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3523

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

Broadleaf/mixed woodland (BL) ☐ Wetland (eg bog, marsh, fen) (WL) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☒ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified ☐ Artificial/modified ☐

Vertical/undercut ☐ Reinforced - whole bank ☐

Vertical + toe ☐ Reinforced - toe only ☐

Slope (> 45°) ☐ Reinforced - toe only ☐

Gravel ☐ Artificial two-stage ☐

Composite ☐ Artificial two-stage ☐

Use this space to draw profile if different from above, after taking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ WYES ☐ E ≥ 33% ☐ None ☐ Present ☐ None ☐ Present ☐ None ☐ Present ☐

Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-coniferous ☐ Coniferous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shedding of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal dead-water - slack ☐

Cascade(s) - chute ☐ Exposed bedrock ☐

Scrap-pool sequence ☐ Exposed boulders ☐

Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐

Rough(s) - disturbed, rippled ☐ Mature island(s) ☐

Bail(s) - swellings ☐ Unvegetated side bars ☐

Glides(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your exposure form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 2.5 RIGHT BANK Banktop width (m) 0.5

Banktop height (m) 0.2 Water width (m) 2.0 Banktop height (m) 0.5

Embanked height (m) Water depth (m) 0.2 Embankment height (m)

If transect line lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 0 Outfalls = 0 Folds = 1

Footbridges = 2 Roadbridges = 0 Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State []

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) []

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Loose debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State []

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: []

Plants of note: []

Major conservation features: []

Major impacts: Cattle, farm runoff

Incidental observations (animals etc): []

IFB 1.1A - See also 1.1B

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State []

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied separately

14523.7%

F45021.7L $P=0.94 \pm 0.77$ P45428.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3526
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: LEC+1
Date: 5.1.1995 Time: 12.00 Surveyor name: J.O.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box) (1)
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 1 (1) Unvegetated point bars
Pools Vegetated point bars
National Rivers Authority

P40121 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone)

Mat. = Material (one entry only)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = BE, BO, CO, GS, LA, FE, CL, CC, SP, JF, GA, PR, BR, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, XA, JF, CA, EM, EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) AX, NO, EC, JC, JF, SP, BR, JZ	EC	SC	EC	EC	EC	EC	EC	EC	EC	EC
CHANNEL	CO	GP	GP	GP	GP	GP	GP	GP	GP	GP
Channel substrate = NY, BE, JO, CO, GP, JC, CL, CLAR	CO	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type = FF, CL, JW, UV, CF, AF, UF, JM, NF, JO	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Channel modification(s) AX, NO, CV, AL, R, D, J, O	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NY, AD, JH, NY, JH, JZ	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = BE, BO, CO, GS, LA, FE, CL, CC, SP, JF, GA, PR, BR, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, XA, JF, CA, EM, EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) AX, NO, EC, JC, JF, SP, BR, JZ	EC	SC	EC	EC	EC	EC	EC	EC	EC	EC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, CP, UR, SC, LP, WL, OW, RO, RL, JU

	1L	CP	UR	SC	LP	WL	OW	RO	RL	JU
LAND USE WITHIN 5m OF BANKTOP (L)	1L	CP	UR	SC	LP	WL	OW	RO	RL	JU
LEFT BANK-TOP (structure within 5m) BVSIC	C	C	S	C	U	U	U	S	S	C
LEFT BANK FACE (structure) BVSIC	C	C	S	C	U	U	U	S	S	C
RIGHT BANK-TOP (structure within 5m) BVSIC	U	U	S	S	C	C	C	S	S	C
RIGHT BANK FACE (structure) BVSIC	U	U	S	S	C	C	C	S	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	1L	CP	UR	SC	LP	WL	OW	RO	RL	JU

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry max E (≥ 33% area) or / (percent))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (second)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

P40121 TL

SITE NO. 3526 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	E	Wetland (eg bog, marsh, fen) (WL)		✓
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	E	Reinforced		
Vertical + toe	✓		Reinforced - whole bank	✓	
Step (> 45°)	✓	✓	Reinforced - top only		
Groynes	✓		Reinforced - toe only		
Composite	✓		Artificial two-stage		
Use this space to draw profile of different bank above, after ticking predominant bank			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

WATERFALLS		MARGINAL DEADWATER	
None	Present E	None	Present E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>

P40121 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.4	Banktop height (m)
Embanked height (m)	0.15	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) :

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Ferds =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/split channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush
	Other (state)

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: *Shallowing river with gravelly silt bed, alternating with bars, many bits of wood through channel and on banks*
Plants of note: *one tree reinforcing the bank in low water stage*
Major conservation features:
Major impacts:
Incidental observations (animals etc): *discovered - 3.6 May 1995*
was all snatched

S. DISEASED ALDERS (Tick one box)








None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P40121 TL

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS	
Reference network site number:	3427
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference:	River:
Date: 14/5/1995 Time: 10:30	Surveyor name: J. H.
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state	
Bed of river visible? No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/> (tick one box)	
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)	
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)	

C PREDOMINANT VALLEY FORM (tick one box only)	
 <input checked="" type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor
 <input type="checkbox"/> deep vee	 <input type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	

D NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)	
Rifles	Unvegetated point bars
Pools	Vegetated point bars

Spot check 1 is at upstream end □ downstream end □ of site (tick one box) P4: 11

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1 = one entry only	1	2	3	4	5	6	7	8	9	10
LEFT BANK											
Mat. ¹ SE.SD.CO.GI.EJ.FE.CL.CC.SP.VT.GV.IR.IR.W		EA	E					SA	EA	SA	EA
Bank modification(s) ² NO.SD.CC.IR.IR.W		IR	W	FE				SD	SD	W	SD
Bank factor(s) ³ NO.NO.I.C.I.C.IR.VT.VT.VT		N		IR	W			SD	SD	W	SD
CHANNEL											
Channel substrate ⁴ NO.SD.CO.GI.EJ.FE.CL.CC.IR		FE		GV	FE			GV	GV	FE	GV
Flow type ⁵ FF.CB.W.W.CF.SP.VT.SD.SP.SD								RT	RT		SD
Channel modification(s) ⁶ NO.SD.CC.IR.IR.W								SD	SD		SD
Channel feature(s) ⁷ NO.SD.SP.VT.VT								SD	N	W	SD
RIGHT BANK											
Mat. ¹ SE.SD.CO.GI.EJ.FE.CL.CC.SP.VT.GV.IR.IR.W								SA	SA	SA	SA
Bank modification(s) ² NO.SD.CC.IR.IR.W								FE	FE	FE	FE
Bank factor(s) ³ NO.SD.CC.IR.VT.VT.VT								SD	SD	SD	SD
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from 1L, CP, SR, IC, PL, OW, IG, TL, TP											
LAND USE WITHIN 5m OF BANKTOP (L)											
LEFT BANK-TOP (structure within 2m) ¹ EV/VC		11						S	S	S	S
LEFT BANK FACE (structure) ² EV/VC								S	S	S	S
RIGHT BANK FACE (structure) ³ EV/VC								S	B	S	S
RIGHT BANK-TOP (structure within 2m) ⁴ EV/VC								S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)											
		11						11	11	11	11
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 35% area) or F (greater))											
NONE (tick as appropriate)											
Liverworts/mosses/lichens		E	E	E				E	✓		E
Emergent broad-leaved herbs		✓							✓	✓	✓
Emergent reeds/sedges/rosettes								✓		✓	✓
Flowering-leaved (rooted)		✓	E	E				E	E	E	E
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved		✓						E	E	E	E
Filamentous algae											

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

SITE NO. 35.27 NIRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP Use E (to 33% banklength) or J if present				L	R
Broadleaved woodland (BL)			Weald (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES Use E (to 33% banklength) or J if present				L	R
Natural/unmodified		<input checked="" type="checkbox"/>	Artificial/unmodified		
Vertical/undercut		<input checked="" type="checkbox"/>	Reinforced - wicks bank		
Vertical + toe		<input checked="" type="checkbox"/>	Reinforced - step only		
Steep (> 45°)		<input checked="" type="checkbox"/>	Reinforced - toe only		
Graze		<input checked="" type="checkbox"/>	Artificial two-stage		
Composites		<input checked="" type="checkbox"/>	Pearthd		
If it's open to draw points Use E from above, after drawing predetermined line			Embank ed		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES'			
TREES (Tick one box per feature)		ASSOCIATED FEATURES (Tick one box per feature)	
	Left Right	E > 33%	None Present E
None	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/> <input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/> <input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Oscillating clumps	<input type="checkbox"/> <input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Semi-conspicuous	<input type="checkbox"/> <input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Conspicuous	<input type="checkbox"/> <input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES' (Tick one box per feature)			
	None Present E		None Present E
Waterfall(s) ~ freefall	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Marginal deadwood ~ slack	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Cascade(s) ~ chute	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Rapid(s) ~ whitewater	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Rust(s) ~ disturbed, rippled	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Boil(s) ~ upwellings	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Glide(s) ~ smooth, no eddies	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

L CHANNEL DIMENSIONS In the measured at site on a straight uniform section, preferably across

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)
Embanked height (m)	Water depth (m)	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site is: cobbles/dissolved (compact) ☐ uncemented/dissolved (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____
Footbridges = _____ Bankbridges = _____ Other = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/w hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐
weed-cutting ☐ enhancement ☐ Other ? State _____

O CHANNEL FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Wetlands > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/deep channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Foa <input type="checkbox"/>
	Flag <input checked="" type="checkbox"/> Carr <input type="checkbox"/> Marsh <input type="checkbox"/> Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 5% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State _____

R BRIEF DESCRIPTION (Use primes and key words as appropriate)

Descriptive statement: *Silted down reach, very green + boggy upper section*
Plants of note: *characterized by drainages lower section silted + overgrown with step pool sequences.*
Major conservation features:
Major impacts:
Incidental observations (animals etc):

DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

END COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, BH20 9

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3528

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: N. 4 15 1/2 N

Date: 22.1.1995 Time: 15.10 Surveyor name: JHD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☒ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles (4) Unvegetated point bars

Pools (15) Vegetated point bars

National Rivers Authority

P4421 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☒ downstream end ☐ of site (tick one box) R 3/11

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ? = one entry only

LEFT BANK

Mat. 1: 1E, 1O, 1C, 1J, 1F, 1G, 1H, 1I, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Bank modification(s): NO, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Bank feature(s): NO, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

CHANNEL

Channel substrate: 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Flow type: 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Channel modification(s): NO, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Channel feature(s): NO, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

RIGHT BANK

Mat. 1: 1E, 1O, 1C, 1J, 1F, 1G, 1H, 1I, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Bank modification(s): NO, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Bank feature(s): NO, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

Land use within 5m of banktop (L): 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

LEFT BANK-TOP (structure within 1m): 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

LEFT BANK FACE (structure): 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

RIGHT BANK FACE (structure): 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

RIGHT BANK-TOP (structure within 1m): 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

LAND USE WITHIN 5m OF BANK TOP (R): 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or J (green))

NONE (tick as appropriate)

Upriver/mosses/lichens ☒

Emergent broad-leaved herbs ☒

Emergent reeds/bushes/rushes ☒

Flowering-leaved (floating) ☒

Free-floating ☒

Amphibious ☒

Submerged broad-leaved ☒

Submerged fine-leaved ☒

Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

P4421 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J if present)

L R

Wetland (eg bog, marsh, fen) (WJ) ☒

Open water (OW) ☒

Improved/semi-improved grass (IG) ☒

Tilled land (TL) ☒

Suburban/urban development (SU) ☒

III BANK PROFILES (Use E (in 33% banklength) or J if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ Reinforced ☒

Vertical + toe ☒ Reinforced - whole bank ☒

Steep (> 45°) ☒ Reinforced - top only ☒

Gentle ☒ Reinforced - toe only ☒

Composite ☒ Artificial two-stage ☒

Use this space to draw profile of different from above, after ticking predominant box

IV EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Right ☒

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E > 33%

Shading of channel ☒

Overhanging boughs ☒

Exposed bankside roots ☒

Underwater tree roots ☒

Fallen trees ☒

Coarse woody debris ☒

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐

Cascade(s) - chute ☐ Exposed bedrock ☐

Step/pool sequence ☐ Exposed boulders ☐

Rapid(s) - whitewater ☒ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐

Rune(s) - disturbed, rippled ☒ Mature island(s) ☐

Boil(s) - upwellings ☒ Unvegetated side bars ☐

Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

P4421 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Backstop width (m) 2.16

Backstop height (m) 0.5

Banktop height (m) 0.5

Water width (m) 1.2

Water depth (m) 0.1

Embanked height (m) 0.1

Banktop width (m) 2.16

Banktop height (m) 0.5

Embanked height (m) 0.1

If trawl line lower than banktop track in slope, indicate: height (m) width(m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/2 indicates total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Ponds =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Artificial open water ☐ Bog ☒ Other (state)

Brick/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leaky debris ☐ Fen ☐ Flurb ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use J or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Steep upland winding stream, gravel bed with extensive cobble & boulders, through rough grass & overhanging roots. Plants of note: boggy areas, then some of the following. Major conservation features: One steep section with small waterfall in gorge. Major impacts: Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P4421 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3521

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: 11.5

Date: 26.5.1995 Time: 9.45 Surveyor name: 110

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box) (3)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☒ concave/bowl lower 2/3

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)

Riffles (3) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P49123 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

LEFT BANK

Mat. # 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO, B, L, P, C, A, M, L, N

Bank feature(s) SC, N, D, E, C, J, F, P, R, V, B

CHANNEL

Channel substrate # 1 2 3 4 5 6 7 8 9 10

Flow type # 1 2 3 4 5 6 7 8 9 10

Channel modification(s) NO, B, L, P, C, A, M, L, N

Channel feature(s) NO, B, L, P, C, A, M, L, N

RIGHT BANK

Mat. # 1 2 3 4 5 6 7 8 9 10

Bank modification(s) NO, B, L, P, C, A, M, L, N

Bank feature(s) SC, N, D, E, C, J, F, P, R, V, B

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from PL, CP, SH, IC, AP, VL, OW, H, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) RUS, C

LEFT BANK FACE (structure) RUS, C

RIGHT BANK FACE (structure) RUS, C

RIGHT BANK-TOP (structure within 1m) RUS, C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or J (green))

NONE (tick as appropriate)

Liverworts/mosses/lichens

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

P49124 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3521

II LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or J if present)

L R L R

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Mountain/bush (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (in 33% banklength) or J if present)

Natural/unmodified

Vertical/handcut

Vertical + toe

Steep (> 45°)

Gentle

Composite

Artificial/modified

Recessed

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Peached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None Left Right

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E in 33% None Present E

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - free-fall

Cascades(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Rune(s) - disturbed, rippled

Boil(s) - upwellings

Slide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

P49125 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 6 m RIGHT BANK

Banktop height (m) 0.7 Water width (m) 5.75 Banktop height (m) 0.7

Embanked height (m) 0.5 Water depth (m) 0.5 Embanked height (m) 0.5

If trouble lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (1/E only)

M ARTIFICIAL FEATURES (Use 111 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate boxes)

dredging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☒ FLOODPLAIN (50m corridor)

Graded/side channels ☐ Artificial open water ☐ Bog ☒ Other (state)

Debris dams ☐ Natural open water ☐ Carr ☐

Leafy debris ☐ Water meadow ☐ Marsh ☐

Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use J or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Upper section is a steep, fast-flowing stream, lower section is a slower, shallower stream with a series of waterfalls.

Plants of note: ic fern, woodland down to white-flowered.

Major conservation features: Most dominant flow is rainfall and chills.

Major impacts: Very little vegetation.

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO IULIA DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P49126 TL

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3530

Mid-section grid reference of network site if different from designated location:

COMPLETION THE FOLLOWING FOR ALL SITES

Grid Reference: S4908387 River: TRULOCKY

Date: 2.1.1995 Time: 10.00 (h:m) Surveyor name: J. A. J. J.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

1 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

National Rivers Authority

PA0121L 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = Material	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
Bank modification(s)	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
Bank feature(s)	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
CHANNEL										
Channel substrate	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
Flow type	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
Channel modification(s)	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
Channel feature(s)	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
RIGHT BANK										
Mat. = Material	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
Bank modification(s)	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
Bank feature(s)	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, RW, SC, SP, SL, SW, TR, W										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) A/B/C/D										
LEFT BANK FACE (structure) A/B/C/D										
RIGHT BANK FACE (structure) A/B/C/D										
RIGHT BANK-TOP (structure within 1m) A/B/C/D										
LAND USE WITHIN 5m OF BANK TOP (R)										
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or F (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/tellurites										
Emergent broad-leaved herbs										
Emergent stridged/leaved herbs										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved (Nymphaea)										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PA0121L

SITE NO. 3530 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gravel			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predetermined base			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

	Left	Right		None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slock		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Ram(s) - disordered, rippled			Manure island(s)		
Bell(s) - upwellings			Unvegetated side bars		
Gush(s) - smooth, no eddies			Vegetated side bars		

PA0121L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	LEFT BANK	RIGHT BANK
Banktop height (m)		
Banktop width (m)		
Banktop height (m)		
Banktop width (m)		
Banktop height (m)		
Banktop width (m)		

If trachea lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (1% only)

M. ARTIFICIAL FEATURES (Use 1/1 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Piers =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-cutting ☐ enhancement ☐ none ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/drainage channels	Natural open water
Debris dams	Water meadow
Leafy debris	Flux

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/1 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: _____

Plants of note: _____

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

S. DISPERSED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other dispersed trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6RB

PA0121L

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3531

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 57033346 River: DCE

Date: 2.1.1995 Time: 10.00 Surveyor name: J. M. G.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

! Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 1 Unvegetated point bars: 0

Pools: 2 Vegetated point bars: 0

National Rivers Authority

P4912.1L 10/5

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Mat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. =	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY
Flow type	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. =	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CP, ML, SC, LP, WL, GW, AG, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) EAVS										
LEFT BANK FACE (structure) EAVS										
RIGHT BANK-TOP (structure within 1m) EAVS										
RIGHT BANK FACE (structure) EAVS										
LAND USE WITHIN 5m OF BANKTOP (R)										
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes/rushes										
Floating-leaved (free)										
Pine-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

The end "check-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

P4912.1L

SITE NO. 3531 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V (green))

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

I BANK PROFILES (Use E (≥ 33% banklength) or V (green))

	L	R	L	R
Natural/unmodified				
Vertical/handcut				
Vertical + ins				
Steep (>45°)				
Gentle				
Composite				
Use this space to draw profile if different from above, after filling predetermined box				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial two-stage				
Poached				
Embankment				
Set-back embankments				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	None	Present
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rapids(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Boils(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>

P4912.1L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Banktop height (m)	RIGHT BANK
Banktop width (m)	2.00	Water width (m)	2.00
Banktop height (m)	2.00	Water depth (m)	2.00
Embankment height (m)		Embankment height (m)	

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1% only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =

Foambridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bog	Other (state)
Waterfalls > 5m high	Artificial open water		
Braided/side channels	Natural open water		
Debris dams	Water meadow		
Leafy debris	Fen		

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: Left bank: ... Right bank: ...

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P4912.1L

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 5532

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: C11000

Date 30/5/1995 Time: 11.00 Surveyor name: H0

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 1 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

F4942 TL

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	FE	EA	EA	EA	EA	BE	CO	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	ES	SB	EC	NC	SB	NO	NO	SB	N
CHANNEL										
Channel substrate 1	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type 1	BN	BN	BN	CF	CF	SW	RP	CF	CF	BN
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RD	RD	RU	KO	KO	KO	KO	KO	KO	KO
RIGHT BANK										
Mat. 1	FE	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	ES	SB	EC	NC	SB	NO	NO	SB	N
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, HH, SC, SP, VE, OW, SO, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LEFT BANK-TOP (structure within 1m) B/L/S/C	G	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) B/L/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/L/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/L/S/C	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										
Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)										

F4942 TL

SITE NO. 3532 NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved/mixed woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - toe only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after taking predetermined base

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present	None	Present
Isolated/scattered		Shading of channel	
Regularly spaced, single		Overhanging boughs	
Occasional clumps		Exposed bankside roots	
Semi-continuous		Underwater tree roots	
Continuous		Fallen trees	
		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present		None		Present	
Waterfall(s) - free-fall				Marginal deadwater - silt			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequence				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Mature island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

F4942 TL

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

	Left Bank	Right Bank
Banktop width (m)	9.45	1
Bank height (m)	0.75	0.8m
Water width (m)	7.2m	
Water depth (m)	0.3m	

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☒ Culverts = Weirs = Outfalls = Fords =

Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: steep wide bed channel through steep wooded valley, mostly straight - flow type is mostly chute with minor channeling

Plants of note: willow - sycamore, ash, oak, hazel, willow + hawthorn

Major conservation features: woodland - sycamore, ash, oak, hazel, willow + hawthorn

Major impacts:

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

F4942 TL

DATES. Record 125 prepared validated date/no check

PLANTS - Use 1st 4 letters of Genus of Pota. & Pota. vegetat.
+ species if possible of Pota. part & Pota. vegetat. part.

Have you completed your expenses form this week? (send to FHD for signature!)

Envelopes supplied! Post completed files for processing - labels supplied as above

NRA RIVER HABITAT SURVEY 1995 (P.B. 2-1-A) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Fluvial category
 Distance from source(km) Significant tributary? ☒ Navigation? ☒

B. FIELD SURVEY DETAILS

Reference network site number: 3534
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: 53 76324 River: Penny
 Date 7.1.5.1995 Time: 15.5 Surveyor name: G. C. M. H. 14 AK 764
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) with site in mind!
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/parts diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles 7 Unvegetated point bars
 Pools 1 Vegetated point bars
 IF E or F, see page 2 of 4
 National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 11111 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site ☒ of site ☐ (tick one)
 1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification(s) ☒ NO, BA, CA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA
 Bank feature(s) ☒ NO, BA, CA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA
 Channel substrate (fine) GP GP GP GP GP GP GP GP GP GP
 Flow type (fine) RP RP RP RP RP RP RP RP RP RP
 Channel modification(s) ☒ NO, BA, CA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA
 Channel feature(s) ☒ NO, BA, CA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA

RIGHT BANK (looking upstream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification(s) ☒ NO, BA, CA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA
 Bank feature(s) ☒ NO, BA, CA, FA, GA, HA, IA, JA, KA, LA, MA, NA, OA, PA, QA, RA, SA, TA, UA, VA, WA, XA, YA, ZA

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, SN, SC, SP, WL, GW, DS, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BA BA BA BA BA BA BA BA BA BA
 LEFT BANK FACE (structure) BA BA BA BA BA BA BA BA BA BA
 RIGHT BANK FACE (structure) BA BA BA BA BA BA BA BA BA BA
 RIGHT BANK-TOP (structure within 1m) BA BA BA BA BA BA BA BA BA BA
 LAND USE WITHIN 5m OF BANK TOP (R) BA BA BA BA BA BA BA BA BA BA

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per 33% area or 1/3 of transect)

NONE (tick) ☒ Plant growth (tick one)

Emergent broad-leaved herbs ☒
 Emergent narrow-leaved herbs ☒
 Submerged broad-leaved ☒
 Submerged narrow-leaved ☒
 Floating-leaved ☒
 Free-floating ☒
 Amphibious ☒
 Submerged ☒
 Submerged ☒
 Filamentous algae ☒

Use the 'tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick boxes of groups of plants/vegetation + species if possible or full list of botanical specimens

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3534

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% banklength) or F if present)

L R

Broadleaved woodland (BL) ☐ Wetland (eg bog, marsh, fen) (WZ) ☐
 Coniferous plantation (CP) ☐ Open water (OW) ☐
 Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☒
 Scrub (SC) ☐ Tilled land (TL) ☐
 Rough pasture (RP) ☐ Suburban/urban development (SU) ☒

I. BANK PROFILES (Use E (2-33% banklength) or F if present)

Natural/unmodified L R Artificially modified L R

Vertical/undercut 2 2 Reinforced ☐
 Vertical + toe 2 2 Reinforced - whole bank ☐
 Steep (>45°) 2 2 Reinforced - top only ☐
 Gentle 2 2 Reinforced - toe only ☐
 Composite 2 2 Artificial two-stage ☐
 Use this space to draw profile of different from above, after setting predominant box
 Peached ☐
 Embanked ☐
 Set-back embankments ☐

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

None ☒ Staking of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐
 Cascade(s) - chute ☐ Exposed bedrock ☐
 Step/pool sequence ☐ Exposed boulders ☐
 Rapid(s) - white-water ☐ Unvegetated mid-channel bars ☐
 Riffle-pool sequence ☐ Vegetated mid-channel bars ☐
 Run(s) - disturbed, rippled ☐ Mature island(s) ☐
 Bait(s) - rapids ☐ Unvegetated side bars ☐
 Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 3.50 RIGHT BANK
 Banktop height (m) 1.40 Water width (m) 2.50 Banktop height (m) 1.40
 Embankment height (m) 0.20 Water depth (m) 0.20 Embankment height (m) 0.20
 If bankline lower than banktop break in slope, indicate: height (m) 2.10 width (m) 6.0

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 2%

M. ARTIFICIAL FEATURES (Use [H] indicates total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 3 Outfalls = 0 Fords = 0
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Full site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Big ☐ Other (state) None
 Braided/side channels ☐ Natural open water ☐ Cur ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Laid debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R. BRIEF DESCRIPTION (Use proper and key words as appropriate)

Descriptive sentence: Run for 100m length through 1m bank
 Plants of note: None
 Major conservation features: Small bridge of 1m high on left bank about 2m high
 Major impacts: None
 Incidental observations (animals etc): None
 IFE channel is not ☒ is ☐

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

Envelopes supplied! Post completed form for processing. Labels supplied separately

Have you completed your species form this week? (send to F&D for signature!)

NRA RIVER HABITAT SURVEY 1995 *198 P.A.A* Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary? <i>0</i>	Navigation? <i>NO</i>

B FIELD SURVEY DETAILS

Reference network site number: *7526*

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: _____

Date *4.15.1995* Time: *15.30* Surveyor name *J.B. TW (PH) 16 AK 7000*
(enter code) *6-C 11-4 11-6 11-6 11-6*








Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) *4x6 50x150 mm!*
Essential - rather than visual record of features! *Beach*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ NOTES/extra DIAGRAM	

D RIVER CHANNELS, POOLS AND BARRIERS

Riffles <i>1</i>	Unvegetated point bars
Pools	Vegetated point bars

198 P.A.A - 5-8-95 (1995)

National Rivers Authority

NRA RIVER HABITAT SURVEY 19

Pool

PHYSICAL ATTRIBUTES (to be assessed across channel width)

Spot check 1 is at: ☒ upstream ☒ downstream

Left Bank: ☒ left bank ☒ right bank

Bank material (fine) ☒ BE, BO, CO, GL, EA, FE, CL

Bank modification(s) ☒ NO, AS, PL, PC, BM, EH

Bank feature(s) ☒ AK, NO, EC, SC, FP, VP, SR, VS

Channel Note: ☒ Use bankline as aspect of interest

Channel substrate (fine) ☒ BV, BE, BO, CO, GP, SI, ST, CL, AR

Flow type (fine) ☒ FF, CH, BW, VW, CF, RP, UP, SL, XP, NO

Channel modification(s) ☒ AK, NO, BE, PL, DA, FO

Channel feature(s) ☒ NO, EO, SL, VB, HT, TR

Right Bank: ☒ left bank ☒ right bank

Bank material (fine) ☒ BE, BO, CO, GL, EA, FE, CL

Bank modification(s) ☒ NO, AS, PL, PC, BM, EH

Bank feature(s) ☒ AK, NO, EC, SC, FP, VP, SR, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from SL, CP, WH, FP, PP, ST, GW, MO, TT, WH

Land use within 5m of Banktop (L)

Left Bank-Top (structure within 1m) ☒ BAUSC

Left Bank Face (structure) ☒ BAUSC

Right Bank Face (structure) ☒ BAUSC

Right Bank-Top (structure within 1m) ☒ BAUSC

Land use within 5m of Bank Top (R)

TEN SPOT CUI CKS

Page 2 of 4

Repeated in bars

Vegetated point bars

in a 1m wide zone (1 m wide zone) feature

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423
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SITE NO. 3523 **SURVEY 1995: 500m SWEEP-UP** **Page 3 of 4**

LAND USE WITHIN 50m of BANK TOP Use E (≥ 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	✓	E
Scrub (SC)			Tilled land (TL)	E	
Rough pasture (RP)			Suburban/urban development (SU)		

1. BANK PROFILES Use E (≥ 33% banklength) or ✓ if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	77		Reinforced - whole bank	77	E
Vertical + toe	77		Reinforced - top only	77	
Steep (> 45°)	77		Reinforced - toe only	77	
Gentle	77		Artificial two-stage	77	
Composite	77		Pushed	77	
			Embanked	77	
			Set-back embankments	77	

Use this space to draw profile of different from above, after scaling preferred and loc

90% Recently dug vertical bank

2. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
None	Left	Right	100%	E ≥ 33%	None	Present	100%
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Hiffle pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your expenses form this week? (send to FHD for signature!)

NIRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle	
LEFT BANK	RIGHT BANK
Banktop width (m)	1.75 Banktop width (m)
Banktop height (m)	1.50 Banktop height (m)
Banktop width (m)	1.30 Banktop width (m)
Banktop height (m)	1.30 Banktop height (m)
Banktop width (m)	1.30 Banktop width (m)
Banktop height (m)	1.30 Banktop height (m)
If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____	
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>	
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> cascade <input type="checkbox"/> (pick one box) Slope (IFR only) _____	
ARTIFICIAL FEATURES (Use 1-10 indicate total numbers, "none" where appropriate)	
None <input type="checkbox"/> Number of Culverts = _____ Weirs = _____	Outfalls = _____ Fords = _____
Footbridges = _____ Roadbridges = _____	
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part <input type="checkbox"/> Yes <input type="checkbox"/> (pick one box) before/whole of site <input type="checkbox"/>	
EVIDENCE OF RECENT MANAGEMENT (Tick appropriate)	
dredging <input checked="" type="checkbox"/> wood-cutting <input type="checkbox"/> moving <input type="checkbox"/> enhancement <input type="checkbox"/>	Other? <input type="checkbox"/> State _____
FEATURES OF SPECIAL INTEREST (Tick appropriate box)	
CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/> Artificial open water <input type="checkbox"/>	Big <input type="checkbox"/> Other (state) _____
Braided/side channels <input type="checkbox"/> Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/> Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>
Leafy debris <input checked="" type="checkbox"/> Fen <input type="checkbox"/>	Flush <input type="checkbox"/>
CHOKED CHANNEL (Tick one box)	
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	
NOTABLE NUISANCE PLANT SPECIES (Use 1-10)	
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/>	Other? <input type="checkbox"/> State _____
BRIEF DESCRIPTION (Use phrases and key words as appropriate)	
Descriptive sentence: Variable in size, mostly managed from down in which local plants of note: _____	
Major conservation features: _____	
Major impacts: _____	
IF 2 channels sample taken <input checked="" type="checkbox"/> If 1 channel <input type="checkbox"/>	
DISEASED ALGAE (tick one box)	
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other diseased <input type="checkbox"/>	State _____
SEND COMPLETED FORM TO: HUGH DAVISON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB	
Envelope supplied! Post completed form to: _____	

NRA RIVER HABITAT SURVEY 1995 196 P.A.A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? 2 Navigation? NO

B FIELD SURVEY DETAILS

Reference network site number: 3538

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ60390 River: TERN

Date: 4.1.1995 Time: 09.00 Surveyor name: TS, TN, CH, IG, AK, TB

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site map!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/boil

☐ riffles ☐ unvegetated point bars

☐ pools ☐ vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995 TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel width)

Spot check 1 is at: upstream end of site (tick one)

LEFT BANK (tick one box)

Bank material (one) BE, NO, CO, GL, EA, FE, CL

Bank modification(s) ☒ NO, AL, FC, EN, EM

Bank feature(s) ☒ NO, NO, EC, SC, FP, VP, VP, VP

CHANNEL NOTE Use the following to describe the channel

Channel substrate (one) NY, RE, BO, CO, GP, SL, HL, CL, AR

Flow type (one) FF, CH, RW, UP, CP, AP, NP, SH, NP, NO

Channel modification(s) ☒ NO, NO, EC, SC, FP, VP, VP, VP

Channel feature(s) ☒ NO, NO, EC, SC, FP, VP, VP, VP

RIGHT BANK (tick one box)

Bank material (one) BE, NO, CO, GL, EA, FE, CL

Bank modification(s) ☒ NO, AL, FC, EN, EM

Bank feature(s) ☒ NO, NO, EC, SC, FP, VP, VP, VP

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide band)

Land use: choose one from FL, CP, SH, SC, RP, VL, GW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) IG IG IG

LEFT BANK TOP (structure within 1m) AVUSC U U U

LEFT BANK FACE (structure) AVUSC S S S

RIGHT BANK TOP (structure within 1m) AVUSC U U U

RIGHT BANK FACE (structure) AVUSC S S S

LAND USE WITHIN 5m OF BANK TOP (R) IG IG IG

G. CHANNEL VEGETATION TYPES (All in relevant boxes with one tick per box)

NONE (tick one box) Plant genera (tick one box)

Emergent broad-leaved ☒ Phragmites ☒ Phragmites

Emergent narrow-leaved ☒ Phragmites ☒ Phragmites

Free-floating ☒ Phragmites ☒ Phragmites

Submerged broad-leaved ☒ Phragmites ☒ Phragmites

Submerged narrow-leaved ☒ Phragmites ☒ Phragmites

Filamentous, algae ☒ Phragmites ☒ Phragmites

Use the "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or V if present

III BANK PROFILES Use E (≥ 33% banklength) or V if present

IV EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

ASSOCIATED FEATURES (Tick one box per feature)

V EXTENT OF CHANNEL FEATURES (Tick one box per feature)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK

Banktop width (m) 2.0

Banktop height (m) 0.50

Banktop width (m) 0.50

Banktop height (m) 0.50

RIGHT BANK

Banktop width (m) 0.50

Banktop height (m) 0.50

Banktop width (m) 0.50

Banktop height (m) 0.50

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHOKED CHANNEL (Tick one box)

NOTABLE NUISANCE PLANT SPECIES (Use V or E)

BRIEF DESCRIPTION (Use prompt and key words as appropriate)








MAJOR IMPACTS

DISEASED ALDERS (Tick one box)

Have you completed your exposure form this week? (send to PND for signature!)

A. BACKGROUN MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	

B. FIELD SURVEY DETAILS	
Reference network site number:	3543
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference:	River: <u>Sutan Brook</u>
Date: <u>7.1.5/1995</u>	Time: <u>11.50</u>
Surveyor name	<u>NO</u>
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state
Bed of river visible?	No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)
Duplicate photographs: general character?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) <u>2</u>
Site surveyed from:	left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)	
	<input type="checkbox"/> shallow vee
	<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee
	<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge
	<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use <u>111</u> then indicate total number)	
Riffles <u>(1) (2)</u>	Unvegetated point bars
Pools	Vegetated point bars <u>(1)</u>

National Rivers Authority

Spot check 1 is at upstream end ☐ downstream end ☒ of the (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. = $SE, SO, CO, G, LA, FE, CL, CP, SW, GA, R, B, JW$	EA	LA	SA	KA	GA	EA	EA	EA	LA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SK, NO, EC, SC, FR, VP, IR, VS	SB	NO	NO	EC	EC	NO	SC	NO	VS
CHANNEL										
Channel substrate	NP, SE, SO, CO, CP, SW, GA, R, B, JW	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type	IF, CL, SW, UP, CP, NP, VP, SW, NP, NO	CP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	SK, NO, EC, SC, FR, VP, IR, VS	NO	NP	NO	NP	NP	NP	NP	NP	NP
Channel feature(s)	NO, NO, NP, VP, IR, VS	NO	NP	NP	NP	NP	NP	NP	NP	NP
RIGHT BANK										
Mat. = $SE, SO, CO, G, LA, FE, CL, CP, SW, GA, R, B, JW$	EA	LA	SA	KA	GA	EA	EA	EA	LA	EA
Bank modification(s)	NO, SK, NP, CP, FR, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SK, NO, EC, SC, FR, VP, IR, VS	NO	NP	PC	NO	EC	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from 1L, CP, 1H, 1C, 1L, OV, 1H, 1C, 1H										
LAND USE WITHIN 5m OF BANKTOP (L)	1L	1L	1L		1L	1L	1L	1L	1L	1L
LEFT BANK-TOP (structure within 1m) A/B/C	U	U	U		U	U	U	U	U	U
LEFT BANK FACE (structure) A/B/C	U	U	U	13	U	U	U	U	U	U
RIGHT BANK FACE (structure) A/B/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) 1 A/B/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (≥ 33% area) or d (Green)										
NONE (tick as appropriate)										
Upriver/mosses/liches										
Emergent broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flowering-leaved (woody)										
Free-floating										
Amphibious										
Submerged broad-leaved						✓				
Submerged fine/linear-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or d)

CHANNEL DIMENSIONS: to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK	Banktop width (m)	2.80	RIGHT BANK
Banktop height (m)	Water width (m)	2.35	Banktop height (m)
Embankment height (m)	Water depth (m)	2.35	Embankment height (m)

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

N ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = 11 _____ Fords = 3 _____

Footbridges = 1 _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Meltwater hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drogging ☐ mowing ☐ Other 7 State _____

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/Vic's channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>
	Other (state) _____

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES Use 0 or E

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State _____

R BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive statement: *Swimming over one chertification - most low islands around mainline, making water after night 17-18. Initially*

Plants of note: *swampy low - some grasses, some tall grass*

Major conservation features: *One artificial (water) island, with low large rocks*

Major impacts: *swampy water, water at time of ...*

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6B

SITE NO. SSY 3 NRA RIVER HABITAT SURVEY 1995: 500m SWELL-UP Page 4 of 4

If LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or F if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		<input checked="" type="checkbox"/>
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES Use E ($\geq 33\%$ banklength) or F if present

	L	R		L	R
Natural/unmodified	<input type="checkbox"/>	<input type="checkbox"/>	Artificial/modified	<input type="checkbox"/>	<input type="checkbox"/>
Vertical/undercut		<input checked="" type="checkbox"/>	Resectioned		
Vertical + toe		<input checked="" type="checkbox"/>	Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle		<input checked="" type="checkbox"/>	Reinforced - toe only		<input checked="" type="checkbox"/>
Composite			Artificial two-steps		
Use site space to draw profile if different from above, after taking predetermined box			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	E $\geq 33\%$	None	Present	H
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	H		None	Present	H
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rust(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 35421

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Foston Beck

Date: 12/12/1995 Time: 17:45 Surveyor name: J.R.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles (3) Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P40421 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ BE, SO, CO, GL, EA, FE, CL, CC, SP, WF, GA, BR, RW	EA	-	-	-	-	-	-	-	-	EA
Bank modification(s) NO, SO, CL, CC, SP, WF, GA, BR, RW	RS	-	-	-	-	-	-	-	-	RS
Bank feature(s) NO, SO, CL, CC, SP, WF, GA, BR, RW	NO	-	-	-	-	-	-	-	-	NO
CHANNEL										
Channel substrate ¹ BE, SO, CO, GL, EA, FE, CL, CC, SP, WF, GA, BR, RW	GP	-	-	-	-	-	-	-	-	GP
Flow type ¹ IF, CH, AW, WF, CF, AF, SF, SP, SO	SM	-	-	-	-	-	-	-	-	SM
Channel modification(s) NO, SO, CL, CC, SP, WF, GA, BR, RW	RS	-	-	-	-	-	-	-	-	RS
Channel feature(s) NO, SO, CL, CC, SP, WF, GA, BR, RW	NO	-	-	-	-	-	-	-	-	NO
RIGHT BANK										
Mat. ¹ BE, SO, CO, GL, EA, FE, CL, CC, SP, WF, GA, BR, RW	EA	-	-	-	-	-	-	-	-	EA
Bank modification(s) NO, SO, CL, CC, SP, WF, GA, BR, RW	RS	-	-	-	-	-	-	-	-	RS
Bank feature(s) NO, SO, CL, CC, SP, WF, GA, BR, RW	NO	-	-	-	-	-	-	-	-	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from TL, CP, UK, SC, SP, VL, GW, SO, TL, SU	TL	-	-	-	-	-	-	-	-	TL
LAND USE WITHIN 5m OF BANKTOP (L)	TL	-	-	-	-	-	-	-	-	TL
LEFT BANK-TOP (structure within 1m) BUI, C	C	-	-	-	-	-	-	-	-	C
LEFT BANK FACE (structure) BUI, C	S	-	-	-	-	-	-	-	-	S
RIGHT BANK FACE (structure) BUI, C	S	-	-	-	-	-	-	-	-	S
RIGHT BANK-TOP (structure within 1m) BUI, C	S	-	-	-	-	-	-	-	-	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	-	-	-	-	-	-	-	-	TL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or V (green))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes/robes (V) E										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Phanerogamous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

P40421 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 35421

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Solvent/subsoil development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resettled		
Vertical + toe			Reinforced - whole bank		
Step (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after taking predominant box			Reinforced		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			E ≥ 33%		
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step-pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Bank(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

P40421 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK
Banktop height (m)	2.5	Banktop height (m)
Water width (m)	2.0	Banktop height (m)
Embanked height (m)	0.10	Embanked height (m)

If transect lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (if E only)

M ARTIFICIAL FEATURES (Use 1/1 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Ferds =

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (10m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Loose debris	Peat
	Bag
	Cart
	Manure
	Flush

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or V)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Completely straight channel, bedrock-lined channel. At present low

Plants of note: Picea mariana, slightly weedy small side bars. (Over deepened)

Major conservation features: Bed ground with overlying silt layer - very cloudy

Major impacts: water only small amounts of algae

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P40421 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3550
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: W. A. N.
Date: 11/16/1995 Time: 13:25 Surveyor name: E.D.
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ <u>1E, 3O, 4O, 5A, 6E, 7E, 8E, 9E, 10E</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ <u>1V, 2E, 3O, 4O, 5A, 6E, 7E, 8E, 9E, 10E</u>	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Flow type ¹ <u>1F, 2F, 3F, 4F, 5F, 6F, 7F, 8F, 9F, 10F</u>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ <u>1E, 3O, 4O, 5A, 6E, 7E, 8E, 9E, 10E</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
LAND USE WITHIN 5m OF BANKTOP (L)	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
LEFT BANK-TOP (structure within 1m) ¹ <u>1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L</u>	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) ¹ <u>1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L</u>	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) ¹ <u>1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L</u>	C	C	C	C	C	C	C	C	C	C
RIGHT BANK-TOP (structure within 1m) ¹ <u>1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L</u>	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with an entry: use E (≥ 33% area) or P (percent))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs ¹ <u>1E, 2E, 3E, 4E, 5E, 6E, 7E, 8E, 9E, 10E</u>										
Emergent reeds/grasses/rushes										
Flowering-leaved (matted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P (percent))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or P (percent))

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after filling predetermined box			Recessed		
			Embedded		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - close			Exposed bedrock		
Step-pool sequence			Exposed boulders		
Rapid(s) - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Rune(s) - disturbed, rippled			Minor island(s)		
Boil(s) - upwellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	9.5	1.5
Banktop height (m)	7.5	1.5
Banktop height (m)	2.1	1.5

If terrace lower than banktop break in slope, indicate: height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____
M ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)
None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/belt of site ☒
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)
dredging ☐ mowing ☐ Other? State: _____
weed-cutting ☐ enhancement ☐
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))
CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☒ Beg ☐ Other (state) _____
Bridled/side channels ☐ Natural open water ☐ Cur ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fes ☐ Flush ☐
P CHOKED CHANNEL (Tick one box)
Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐
Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number, tick "none" where appropriate)
Giant Hogweed ☒ Hemlock ☒ Japanese Knotweed ☒ Other? State: _____
R BRIEF DESCRIPTION (Use prompts and key words as appropriate)
Descriptive sentence: Wetland river very silted up - empounded downstream by
weirs, water very slow moving.
Plants of note: Rice runs through National Trust grounds, banks left to
Major conservation features: eg wild - extensive pool species of Peat,
very vegetation is algae.
Major impacts: _____
Incidental observations (animals etc): _____
S DISEASED ALDERS (Tick one box)
None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 IFE M-L-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3553
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES (JL DH) 1H CC ML

Grid Reference: River: T9, T4 FH 16 AK 70m
Date: 21.1.1995 Time: 09.00 Surveyor name: G.C. M.L. H. G. F. D.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box) with S.W. N. N. !
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/with diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 0 Unvegetated point bars 0
Pools 0 Vegetated point bars 0
IFE-M-L-A - See survey notes

National Rivers Authority

DATES: record ground visible debris

NRA RIVER HABITAT SURVEY 1995 TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (tick one)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK looking down stream

Mat. BE, BO, CO, GE, LE, PE, CL, CP, SP, WP, GA, RA, RB, RW
Bank modification(s) NO, RI, SI, FC, BM, EM
Bank feature(s) NK, NO, EC, SC, PR, VP, SB, VS
CHANNEL NOTE: Use symbols for aspects of channel
Channel substrate (one) NY, SE, SO, CO, CP, SA, SL, CL, AR
Flow type (one) FT, OL, SW, UP, CF, AP, UP, SH, NP, ND
Channel modification(s) NK, NO, RI, SI, FC, BM, EM
Channel feature(s) NO, RI, SI, FC, BM, EM

RIGHT BANK looking down stream

Mat. BE, BO, CO, GE, LE, PE, CL, CP, SP, WP, GA, RA, RB, RW
Bank modification(s) NO, RI, SI, FC, BM, EM
Bank feature(s) NK, NO, EC, SC, PR, VP, SB, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HH, SC, RP, RL, OW, TL, SU
LAND USE WITHIN 5m OF BANKTOP (L) TL TL TL TL TL TL TL TL TL TL
LEFT BANK-TOP (structure within 1m) RU/SC 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A
LEFT BANK FACE (structure) RU/SC 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A
RIGHT BANK FACE (structure) RU/SC 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A
RIGHT BANK-TOP (structure within 1m) RU/SC 1A 1A 1A 1A 1A 1A 1A 1A 1A 1A
LAND USE WITHIN 5m OF BANK TOP (R) TL TL TL TL TL TL TL TL TL TL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E to 33% area) or (present) (tick)

NONE (tick) Plant genera (tick one)
Liverwort mosses/lichen ☐ ☐
Emergent broad-leaved herbs ☐
Emergent reedy sedges/rushes ☒
Floating-leaved (fronts) ☒
Free-floating ☐
Amphibious ☐
Submerged broad-leaved ☐
Submerged fine-leaved ☒
Filament, algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

PLANTS - Use 1st 4 letters of genus of plants & 1st 2 letters of species if possible of both parts of botanical name

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or (if present)

Broadleaf/woodland (BL) Wetland (eg bog, marsh, fen) (WZ)
Coniferous plantation (CP) Open water (OW) ☒
Moorland/heath (MH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL) ☒
Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES Use E (≥ 33% banklength) or (if present)

Natural/unmodified L R Artificial/modified L R
Vertical/undercut ☒ ☒ Resectioned ☒ ☒
Vertical + toe ☒ Reinforced - whole bank ☒
Steep (>45°) ☒ Reinforced - top only ☒
Gentle ☒ Reinforced - toe only ☒
Composite ☒ Artificial two-stage ☒
Use this space to draw profile of different from above, after taking predominant bank

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☒
Isolated/scattered ☐
Regularly spaced, single ☐
Occasional clumps ☐
Semi-continuous ☐
Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☒
Overhanging boughs ☒
Exposed bankside roots ☒
Underwater tree roots ☒
Fallen trees ☒
Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒
Cascades(s) - chute ☒
Step/pool sequence ☒
Rapid(s) - whitewater ☒
Riffle-pool sequence ☒
Run(s) - disturbed, rippled ☒
Boil(s) - upwellings ☒
Glide(s) - smooth, no eddies ☒

Marginal deadwater - slack ☒
Exposed bedrock ☒
Exposed boulders ☒
Unvegetated mid-channel bars ☒
Vegetated mid-channel bars ☒
Mature island(s) ☒
Unvegetated side bars ☒
Vegetated side bars ☒

Have you completed your squares from this week? (send to F.D. for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 11m RIGHT BANK Banktop width (m) 3m
Banktop height (m) 3m Water width (m) 2m Banktop height (m) 3m
Embankment height (m) 3m Water depth (m) 0.6 Embankment height (m) 3m
If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (E or S) 1/1

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading ☐ moving ☐ Other ☒ State: ☒ spraying on bank

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) Artificial open water ☐ Bog ☐ Other (state) ☐
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES Use E or S

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)








Descriptive notes: A DEEP DRAINAGE DITCH BY RTH ENGINEERING
Plants of note: ALONG THERE WAS NO APPRECIABLE FLOW
Major conservation features: FLOOD TIDE: 10:00 AM - 11:00 AM
Major impacts: FROM SURROUNDING TILES & LINDS MUST BE
Incidental observations (animals etc): 200m from the site a small stream

IFE checked by G.C. M.L. H. G. F. D.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (disease) ☐ State ☐

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB
Envelopes supplied! Post completed forms for posting - labels supplied - stamps

NRA RIVER HATFIELD SURVEY 1995			
		rfa-0-1-A	Page 1 of 4
A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: <u>3555</u>			
Mid-section grid reference of network site if different from designated location:			
C COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>TF705324</u>		River: <u>The Nylg</u>	
Date: <u>1/6/1995</u>	Time: <u>9.45</u>	Surveyor name <u>(write or add)</u> <u>GC</u> T8 T9 FH 16 AK 76w MLB HB 16G FWP	
Adverse conditions affecting survey?		No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	
		If yes, state	
Bed of river visible?		No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)	
Photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> <small>(General = pattern, width, regard to features)</small>		(tick one box) <u>with silt on bank!</u>	
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/>		(tick as appropriate)	
D PREDOMINANT VALLEY FORM (tick one box only)			
	<input checked="" type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ notes / sketch diagram	
E NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)			
Riffles <u>11</u>	Unvegetated point bars <u>1</u>		
Pools	Vegetated point bars		

IFE-0-1-A - See page 1 of 1

National Rivers Authority

DATES. Record
P. 43428.72

framed

validelet

detilne

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Page 2 of 4

Rifles (see #87) UP 3H Pools (Unvegetated point bars | Vegetated point bars)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) Mark position of feature (f)

Spot check 1 is at upstream end of site (left bank) 1 2 3 4 5 6 7 8 9 10

LEFT BANK looking downstream

Bank material (fine) H.B.O.C.I.S.A.F.G.L PA CA SA FA FA FA FA FA FA FA

Bank modification(s) NW ☒ N.D.S.I.P.C.H.M.N NO NO NO NO NO NO NO NO NO NO

Bank features(s) NW NO.D.E.C.H.R.V.P.S.W.JR FC NO NO EC NO EC NO NO NO NO NO NO

CHANNEL NOTE Use sketch below as basis of assessment Generally, sediment

Channel substrate (fine) N.Y.S.I.S.O.P.S.I.S.I.S.O.SA SA SA SA GP GP SA SA SF SH SA

Flow type (fine) F.T.O.S.W.U.V.C.P.P.S.P.S.P.S.P.NO RP SH RP WU WH RP ZD WU WU SH

Channel modification(s) NE,N.D.S.I.S.I.S.D.FO NO NO NO NO NO NO NO NO NO NO

Channel features(s) ☒ NO.D.O.V.R.V.P.S.HR NO NO NO NO NO NO NO NO NO NO

RIGHT BANK looking downstream

Bank material (fine) H.B.O.C.I.S.A.F.G.L PA FA LA FA FA FA FA FA FA FA

Bank modification(s) ☒ N.D.S.I.P.C.H.M.N NO NO NO NO NO NO NO NO NO NO

Bank features(s) ☒ N.D.S.I.P.C.H.R.V.P.S.W.JR NO NO NO NO SC SB MO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide measure)

Land use: choose one from BL, CL, ML, SL, PL, OL, OR, RL, UR

LAND USE WITHIN 5m OF BANKTOP (L) LG LG LG LG LG LG LG LG LG LG

LEFT BANK-TOP (structure within 1m) BRISC II V U Y A U U U S U

LEFT BANK FACE (structure) BRISC WB S D B U B U B U U

RIGHT BANK FACE (structure) BRISC II S S U U S U U U U

RIGHT BANK-TOP (structure within 1m) BRISC S S B S S S U U U U

LAND USE WITHIN 5m OF BANK TOP (R) RBG SC BL BL BL BL GC BW RP RF

G CHANNEL VEGETATION TYPES (list in reference books with fine cover; use B for 33% area) or r (percent)

None plot Plant genera (native)

Emergent broad-leaved herbaceous Aquatic emergent reeds/rushes ✓✓

Flowering leaved - - -

Free-floating

Ambiphilous

Submerged - broad-leaved

Submerged fine-leaved

Filamentous algae

The field sketch below shows how not according to spot checks as well as overall assessment over 500m (use E or f)

PLANTS - Use 1st 4 letters of genus & Pota, Pota negation
+ suffix if possible as Pota peck & Pota negation peckmaster

SITE NO. 28 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP

II. LAND USE WITHIN 50m OF BANKTOP. Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Ceafirent plantation (CF)			Open water (OW)		<input checked="" type="checkbox"/>
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	E	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

1. BANK PROFILES. Use E ($\geq 33\%$ banklength) or \checkmark if present

	L	R	Artificial/modified	L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Revetted		
Vertical/undercut		<input checked="" type="checkbox"/>	Reinforced - whole bank		
Vertical + toe		<input checked="" type="checkbox"/>	Reinforced - top only		
Slope (> 45°)		E	Reinforced - toe only		
Grass		<input checked="" type="checkbox"/>	Artificial two-stage		
Composite			Peached		
Use this space to draw profile if different from above, after taking pre-banktoped bank			Embanked		<input checked="" type="checkbox"/>
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	Notes	E $\geq 33\%$	None	Present	E	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>	<i>1 ash tree</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<i>1 w. alder</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<i>3 ash</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<i>clump</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ceafirent	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rap(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Road(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reef(s) - spellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your requests for this week? (send to FWD for signature!)

AREA RIVER INSTANTLY TO BE MEASURED AT ONE SITE ON A STRAIGHT UNIFORM SECTION, PREFERABLY ACROSS A RIFLE

LEFT BANK		RIGHT BANK	
Backstop width (m)	4	Backstop width (m)	4
Backstop height (m)	0.5	Backstop height (m)	1.75
Banktop height (m)	0.7	Banktop height (m)	0.7

If inashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (temp) ☐ unconsolidated (fine) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

NATURAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 5 Outfalls = 5 Feeds = _____

Footbridges = _____ Part of site ☐ More/whole of site ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ More/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other 1 State substantial open water for 30 m river

weir-cleaning ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>	Beg <input type="checkbox"/> Other (state) _____
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Curr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mudflats <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Foss <input type="checkbox"/>	Fish <input type="checkbox"/>

CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 1 State _____

BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: The channel is shallow fast flowing stream between woodland and pasture ending on pasture side

Plants of note: Hyacinth

Major conservation features: Hyacinth

Major impacts: _____

Incidental observations (animals etc): _____

IF RECENTLY FLOODED (Tick one box)

None ☐ Present ☒ Extensive ☐ Other (describe) _____ Date _____

SEND COMPLETED FORM TO: HOW DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B202 6BB

Employees notified! Post completed files for processing - labels notified - stamp

Employees notified! Post completed files for processing - labels notified + stamp

NRA RIVER HABITAT SURVEY 1995 IFB 1-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3559
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: 3559 TG135306 River: Bure
 Date 14/6/1995 Time: 13.50 Surveyor name: JB, TW, FM, LA, AK, TW
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☐ (tick one box) with site name!
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/box ☐ + notes/extra description

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use ☒ then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 (IFE - total - see survey page 2)

National Rivers Authority

Notes, Record planned initial data

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (Mark presence/absence feature (P))

Spot check 1 is at: upstream ☐ of site ☐ (tick one)
 1 2 3 4 5 6 7 8 9 10
 LEFT BANK Left bank down stream
 Bank material (fine) FE, SO, CO, CL, SA, PE, CL FA FA FA FA FA FA FA FA FA FA
 Bank modification(s) NO, SI, N, PC, AH, EN NO NO NO NO NO NO NO NO NO NO
 Bank feature(s) NO, SO, SC, SP, VP, SV, VV NO NO NO NO NO NO NO NO NO NO
 CHANNEL NOTE: Use 3m bank profile
 Channel substrate (fine) FE, SO, CO, CL, SA, PE, CL GP SA SA SI SA SA DA PA PA PA
 Flow type (one) FF, CH, W, OV, CP, AP, VP, SA, SP, NO LP LP LP LP LP LP LP LP LP LP
 Channel modification(s) NO, SI, N, PC, AH, EN NO NO NO NO NO NO NO NO NO NO
 Channel feature(s) NO, SO, SC, SP, VP, SV, VV NO NO NO NO NO NO NO NO NO NO
 RIGHT BANK Left bank down stream
 Bank material (fine) FE, SO, CO, CL, SA, PE, CL FA FA FA FA FA FA FA FA FA FA
 Bank modification(s) NO, SI, N, PC, AH, EN NO NO NO NO NO NO NO NO NO NO
 Bank feature(s) NO, SO, SC, SP, VP, SV, VV NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from AL, CP, HM, IC, RP, WS, GW, HO, RL, W
 LAND USE WITHIN 5m OF BANKTOP (L) RP RP RP RP RP RP RP RP RP RP
 LEFT BANK FACE (structure within 1m) BAUSC U U U U U U U U U U
 LEFT BANK TOP (structure) BAUSC U U U U U U U U U U
 RIGHT BANK FACE (structure) BAUSC U U U U U U U U U U
 RIGHT BANK TOP (structure within 1m) BAUSC U U U U U U U U U U
 LAND USE WITHIN 5m OF BANK TOP (R) RP RP RP RP RP RP RP RP RP RP

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one digit, use E (2-33% area) or F (greater))

NONE (tick) Plant genera (tick one)
 Liverworts None
 Mosses/algae Calli
 Emergent broad leaved herbs Calli
 Emergent reeds Calli
 Floating-leaved (rooted) Calli
 Free-floating Calli
 Amphibious ☒
 Submerged broad-leaved ☒
 Submerged fine-leaved ☒
 Filamentous algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Notes - Use 1st 4 digits of transect as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% bank length) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

I BANK PROFILES (Use E (2-33% bank length) or F if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificially modified		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
Use this space to draw profile of a river from above, after setting predetermined base			Paired		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WTF%	E ≥ 33%	None	Present	E	WTF%
None	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
Continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	WTF%
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-stone - silt	<input type="checkbox"/>	<input type="checkbox"/>	
Waterfall(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - water-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your responses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 2.35 RIGHT BANK
 Banktop height (m) 0.4 Water width (m) 2.5 Banktop height (m) 0.4
 Embankment height (m) 0.4 Water depth (m) 0.4 Embankment height (m) 0.4
 If washline lower than banktop break in slope, indicates height (m) width (m)
 Bad material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement in: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use ☒ indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Piers =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):
 Braided/side channels ☐ Natural open water ☐ Cuts ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Loose debris ☐ Fens ☐ Flats ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES? (Use E or F)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive notes: Fast flowing on gravel and, diverse channel vegetation. A few gentle meanders.
 Plants of note:
 Major conservation features: Varied channel vegetation
 Major impacts:
 Incidental observations (animals etc):
 IFE channel sample taken ☒

S DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trout? State:
 SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKEHAM, BH20 6BB
 Envelopes supplied! Post completed form for processing. Labels supplied on page

DATES. Record	prepared	initiated	date/initials
9-16-78 TL			

PLANTS = the list of letters of Genus \rightarrow Pot. & Pot. notation
+ species if possible \rightarrow Pot. sect. & Pot. notation section

Have you completed your expenses for this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)				
LEFT BANK		Banktop width (m)	4	RIGHT BANK
Banktop height (m)	5	Water width (m)	1.20	Banktop height (m)
Embankment height (m)		Water depth (m)	0.1	Embankment height (m)
If trashline lower than banktop break in slope, indicate: height (m) width (m)				
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)				
M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)				
None <input type="checkbox"/>	Number of Culverts = 1	Weirs =	Outfalls =	Fords =
	Footbridges = 1	Revetments =	Other =	
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Most/whole of site <input type="checkbox"/>				
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)				
grading <input type="checkbox"/>	moving <input type="checkbox"/>	Other? State		
weed-cutting <input type="checkbox"/>	enhancement <input checked="" type="checkbox"/>	reservoir in past		
O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)				
CHANNEL				
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)	
Brackish channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>		
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>		
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>		
P CHOKED CHANNEL (Tick one box)				
Is 25% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>				
Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2) (tick checkboxes)				
Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State	
R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (Tick checkboxes)				
Descriptive notes: Section in grass field which is straight, straight, flowing and wetland and field boundary. 1st Section narrow and flowing				
Plants of note: 2nd section no perceptible flow. Bottom for artificial open water on left bank for garden lake.				
Major conservation features: Extraction of water for green water. Agricultural land drainage				
Major impacts: Agricultural land drainage				
Incidental observations (animals) etc:				
IFE 2nd channel only for 1st & 2nd				
S DISEASED ALGAE (Tick one box)				
None <input checked="" type="checkbox"/>	Pennant <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trout? State	

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

14924.75

14 MAY 1997

8-09423-75

9-4943.TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3564
Mid-section grid reference of network site if different from designated location:
COMPLETE THIS FOLLOWING FOR ALL SITES
Grid Reference: River: Trough
Date: 7/1/1995 Time: 3:25 Surveyor name: J.J.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (pick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (pick as appropriate)

C. PREDOMINANT VALLEY FORM (pick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☒ concave/convex terraced on left side

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 10 Unvegetated point bars
Pools: Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end 11 downstream end (N of site (tick one box))

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide transect)

Stat. = Material # = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
CHANNEL										
Channel substrate #	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY
Flow type #	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	N	N	N	N	N	N	N	N	N	N
Channel feature(s)	N	N	N	N	N	N	N	N	N	N
RIGHT BANK										
Stat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, SH, SC, SP, WL, OW, H, R, D

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LEFT BANK-TOP structure within 1m	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
LEFT BANK FACE (structure)	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
RIGHT BANK FACE (structure)	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
RIGHT BANK-TOP (structure within 1m)	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
LAND USE WITHIN 5m OF BANK TOP (R)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with 'x' and entry 'x' in 33% area or if present)

	1	2	3	4	5	6	7	8	9	10
NONE (pick as appropriate)										
Unvascularised/lichen										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Floating-leaved (various)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use 'x' in 'catch all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E in 33% banklength or if present)

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantations (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Wetland (eg bog, marsh, fen) (W)				
Open water (OW)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Suburban/urban development (SU)				

I. BANK PROFILES (Use E in 33% banklength or if present)

	L	R	L	R
Natural/unmodified				
Vertical/undercut				
Vertical + low				
Steep (> 45°)				
Gravel				
Composite				
Artificial/unmodified				
Reinforced				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial re-rutings				
Peached				
Embanked				
Set-back embankments				

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	None	Present E
None				
Isolated/scattered				
Regularly spaced, single				
Occasional clumps				
Semi-continuous				
Continuous				
Shading of channel				
Overhanging boughs				
Exposed bank-side roots				
Underwater tree roots				
Fallen trees				
Coarse woody debris				

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	None	Present E
Waterfall(s) - freefall				
Cascades(s) - chute				
Step/pool sequence				
Rapid(s) - whitewater				
Riffle/pool sequence				
Run(s) - disturbed, rippled				
Bed(s) - gravelly				
Gravel(s) - smooth, no eddies				
Marginal deadwater - slack				
Exposed bedrock				
Exposed boulders				
Unvegetated mid-channel bars				
Vegetated mid-channel bars				
Marsh island(s)				
Unvegetated side bars				
Vegetated side bars				

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.5	Banktop height (m)
Banktop width (m)	1.5	Banktop width (m)
Banktop height (m)	1.5	Banktop height (m)
Banktop width (m)	1.5	Banktop width (m)

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Is water level controlled by weir/dam/drawdown? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State:
weed-eating ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/stone channels	Natural open water
Debris dams	Water meadow
Leafy debris	Flora
	Bog <input type="checkbox"/> Carr <input type="checkbox"/> Marsh <input type="checkbox"/> Other (state):

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: River is a fairly wide floodplain with some...
Plants of note: ...
Major conservation features:
Major impacts:
Incidental observations (animals etc):

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO RUTH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 IFA 1-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? ☐ NO Navigation? ☐ NO

B FIELD SURVEY DETAILS

Reference network site number: 3570

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: SUNDORIE BROOK

Date 4.1.1995 Time: 17:10 Supervisor name: TS. TN (TH) 16 AK 700

Adverse conditions affecting survey? No ☐ Yes ☐ if yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Site 1A on!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D RIFLES AND POOLS

Rifles ☒ Unvegetated point bars

Pools ☐ Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995 IFA 1-A-A Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel)

Spot check 1 is at: upstream end of site ☐ middle of site ☒ downstream end of site ☐

LEFT BANK (tick one box) Left bank

Bank material (fine) EA EA EA

Bank modification(s) ☐ NO ☐ YES RS RS RS

Bank feature(s) ☐ NO ☐ YES NO NO NO

CHANNEL ACTIVE (tick one box) Channel active

Channel substrate (fine) SI SI SI

Flow type (fine) NP NP NP

Channel modification(s) ☐ NO ☐ YES RS RS RS

Channel feature(s) ☐ NO ☐ YES NO NO NO

RIGHT BANK (tick one box) Right bank

Bank material (fine) EA EA EA

Bank modification(s) ☐ NO ☐ YES RS RS RS

Bank feature(s) ☐ NO ☐ YES NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CL, SL, PL, VL, WL, GL, DL, TL, BU

LAND USE WITHIN 5m OF BANKTOP (L) BL BL BL

LEFT BANK-TOP (structure within 5m) BL BL BL

LEFT BANK FACE (structure) BL BL BL

RIGHT BANK FACE (structure) BL BL BL

RIGHT BANK-TOP (structure within 5m) BL BL BL

LAND USE WITHIN 5m OF BANK TOP (R) BL BL BL

G CHANNEL VEGETATION TYPES (tick in relevant boxes with 1m grid)

NONE (tick) ☐ None

Emergent broad-leaved herbs ☒

Emergent reeds ☒

Flowering reeds ☒

Free-floating ☒

Submerged ☐

Submerged fine-leaved ☐

Filamentous algae ☐

Use and 'catchall' column for types not occurring in spot checks as well as overall assessment (over 500m) (use E or S) ☐

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (tick in 33% banklength) or if present

Broadleaved woodland (BL) ☒

Coniferous plantation (CP) ☐

Moorland/heath (MH) ☐

Scrub (SC) ☐

Rough pasture (RP) ☐

Wetland (eg bog, marsh, fen) (WL) ☐

Open water (OW) ☐

Improved/semi-improved grass (IG) ☐

Tilled land (TL) ☐

Suburban/urban development (SU) ☐

I BANK PROFILES: (tick in 33% banklength) or if present

Natural/unmodified ☒

Vertical + toe ☒

Steep (>45°) ☐

Gentle ☐

Composite ☐

Artificial/modified ☐

Reinforced ☐

Reinforced - whole bank ☐

Reinforced - top only ☐

Reinforced - toe only ☐

Artificial toe-stage ☐

Poached ☐

Embanked ☐

Set-back embankments ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☐

Scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES

Waterfall(s) - free-fall ☐

Cascade(s) - chair ☐

Step-pool sequence ☐

Rapid(s) - white-water ☐

Run(s) - low-bed, rippled ☐

Bank(s) - gravel/silt ☐

Gravel(s) - gravel, no silt ☐

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Mud islands ☐

Unvegetated side bars ☐

Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a right uniform section, preferably across a riffle)

LEFT BANK: Backstop width (m) 1.0

RIGHT BANK: Backstop width (m) 1.25

Water width (m) 1.0

Water depth (m) 0.20

Embanked height (m) 0.20

Bank height (m) 1.0

Bank slope (m) 1.0

Bank face (m) 1.0

Bank toe (m) 1.0

Bank crest (m) 1.0

Bank base (m) 1.0

Bank top (m) 1.0

Bank bottom (m) 1.0

Bank side (m) 1.0

Bank end (m) 1.0

Bank start (m) 1.0

Bank finish (m) 1.0

Bank middle (m) 1.0

Bank quarter (m) 1.0

Bank eighth (m) 1.0

Bank sixteenth (m) 1.0

Bank thirty-second (m) 1.0

Bank sixty-fourth (m) 1.0

Bank one-hundredth (m) 1.0

Bank two-hundredth (m) 1.0

Bank four-hundredth (m) 1.0

Bank eight-hundredth (m) 1.0

Bank one-thousandth (m) 1.0

Bank two-thousandth (m) 1.0

Bank four-thousandth (m) 1.0

Bank eight-thousandth (m) 1.0

Bank one-hundredth (m) 1.0

Bank two-hundredth (m) 1.0

Bank four-hundredth (m) 1.0

Bank eight-hundredth (m) 1.0

Bank one-thousandth (m) 1.0

Bank two-thousandth (m) 1.0

Bank four-thousandth (m) 1.0

Bank eight-thousandth (m) 1.0

Bank one-hundredth (m) 1.0

Bank two-hundredth (m) 1.0

Bank four-hundredth (m) 1.0

Bank eight-hundredth (m) 1.0

Bank one-thousandth (m) 1.0

Bank two-thousandth (m) 1.0

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Bank eight-thousandth (m) 1.0

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Bank two-hundredth (m) 1.0

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Bank four-thousandth (m) 1.0

Bank eight-thousandth (m) 1.0

Bank one-hundredth (m) 1.0

Bank two-hundredth (m) 1.0

Bank four-hundredth (m) 1.0

Bank eight-hundredth (m) 1.0

Bank one-thousandth (m) 1.0

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NRA RIVER HABITAT SURVEY 1995 (rev. 1-1-95) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? 1 Navigation? NO

B. FIELD SURVEY DETAILS

Reference network site number: 3571

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ651296 River: STOKE BROOK

Date: 4.1.95 Time: 1700 Surveyor name: JB, JW, PH, LA, AK, TW

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) 50 m

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/oval ☐ + notes on the sketch

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if then indicate total number)

Riffles: 1 Unvegetated point bars: _____

Pools: _____ Vegetated point bars: 1

IFE = 1 + 1 = 2 (see p. 10/11)

National Rivers Authority

DATES: Record _____ measured _____ visited _____ latitude/longitude _____

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be recorded at one site)

Spot check 1 is at: upstream end of site ☒ of site ☐ (tick one)

LEFT BANK (structure within 1m)

Bank material (four): EA EA EA EA EA EA EA EA EA EA

Bank modification(s): ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

Bank feature(s): ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

CHANNEL NOTE Use the following to describe the channel: NO

Channel substrate (one): SA SA SA SA SA SA SA SA SA SA

Flow type (one): RP RP RP RP RP RP RP RP RP RP

Channel modification(s): ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

Channel feature(s): ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

RIGHT BANK (structure within 1m)

Bank material (four): EA EA EA EA EA EA EA EA EA EA

Bank modification(s): ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

Bank feature(s): ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO ☒ NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide section)

Land use: choose one from SL, CP, SM, SC, AP, WL, OW, NO, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m): SA SA SA SA SA SA SA SA SA SA

LEFT BANK FACE (structure): SA SA SA SA SA SA SA SA SA SA

RIGHT BANK FACE (structure): SA SA SA SA SA SA SA SA SA SA

RIGHT BANK-TOP (structure within 1m): SA SA SA SA SA SA SA SA SA SA

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (tick in relevant boxes)

NONE (tick) ☒ Plant species (tick one): SA

Emergent broad-leaved herbs ☒ SA

Emergent reeds ☒ SA

Emergent sedges ☒ SA

Emergent grasses ☒ SA

Free-floating ☒ SA

Amphibious ☒ SA

Submerged broad-leaved ☒ SA

Submerged fine-leaved ☒ SA

Flowering algae ☒ SA

Use and 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use tick boxes of Green or Red, Yellow or Blue + species if possible of Plant parts: Stem/leaves/fruit

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E for 31% banklength) or if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E for 31% banklength) or if present

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use site open to show profile of different from above, after taking pre-modified box			Perched	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embedded	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES (Tick one box per bank)	Left	Right	WATER	Associated features (Tick one box per feature)	None	Present	NO YES
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	Notes
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Scrap/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Slide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your expenses form this week? (send to PHD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site)

LEFT BANK: Banktop width (m) 2.0 RIGHT BANK: Banktop width (m) 0.10

Banktop height (m) 0.10 Water width (m) 1.45 Banktop height (m) 0.10

Embankment height (m) 0.45 Water depth (m) 0.45 Embankment height (m) 0.45

If bankline lower than banktop break in slope, indicate height: 0.40 width (m) 4.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 1 if indicate total number, tick 'none' if not applicable)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 2 Ferries = 1

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick one box)

dragging ☐ moving ☐ Other? State: _____

weeding ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Beg ☐ Other (state) _____

Embankment/channeled ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☒

Leafy debris ☒ Fen ☐ Flush ☐

P. CROOKED CHANNEL (tick one box)

Is 33% or more of the channel checked with vegetation? NO YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 if indicate total number, tick 'none' if not applicable)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompt and tick 'none' if not applicable)

Descriptive statement: Small channel with bank on left bank for 200m of length. Bank of water 2m wide. 2m channel 1m above.

Major conservation features: Good water level. Shaded with the cattle. No. in water and deep forming areas.

Major impacts: Recreation. recreation down stream.

Incidental observations (animals etc): _____

S. DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other (state) _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed for forwarding. Labels supplied on request

NRA RIVER HABITAT SURVEY 1995 (IFB-1-A) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary ? 1 Navigation ? N

B. FIELD SURVEY DETAILS

Reference network site number: 3572

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 53736217 River: MESSE

Date 3.1.1995 Time: 1500 Surveyor name: 78.74 (PM) 16 AK 700

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general features? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/flat

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFB-1-A-1 - see survey notes

National Rivers Authority

JMES, heard ground unshaded

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK

Bank material (one) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank feature(s) SC SC SC SC SC SC SC SC SC SC

CHANNEL NOTE Use 1-11 to indicate channel features

Channel substrate (one) ST ST ST ST ST ST ST ST ST ST

Flow type (one) SM SM SM SM SM SM SM SM SM SM

Channel modification(s) RS RS RS RS RS RS RS RS RS RS

Channel feature(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK

Bank material (one) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) RS RS RS RS RS RS RS RS RS RS

Bank feature(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SR, SC, RP, VL, OW, TL, LU

LAND USE WITHIN 5m OF BANKTOP (L) 16 16 16 16 16 16 16 16 16 16

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R) TL TL TL TL TL TL TL TL TL TL

G. CHANNEL VEGETATION TYPES (fill in relevant boxes)

NONE (tick) ☐ Plant species (list one) _____

Emergent broad-leaved herbs ☒

Emergent reeds ☒

Floating-leaved (rooted) ☒

Free-floating ☒

Amphibious ☒

Submerged, broad-leaved ☒

Submerged, fine-leaved ☒

Filamentous algae ☒

Use end 'tick-all' column for types not occurring in spot checks: well as overall assessment over 500m (use E or V)

PLANTS - Use tick-all of boxes if plants occurring in + species if possible of both parts of target plant

REPEAT 1

SITE NO. 3572 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undrained	<u>22</u>	<u>1</u>	Reinforced	<u>1</u>	<u>1</u>
Vertical + toe	<u>1</u>	<u>1</u>	Reinforced - whole bank	<u>1</u>	<u>1</u>
Steep (> 45°)	<u>1</u>	<u>1</u>	Reinforced - top only	<u>1</u>	<u>1</u>
Castle	<u>1</u>	<u>1</u>	Reinforced - toe only	<u>1</u>	<u>1</u>
Composite	<u>1</u>	<u>1</u>	Artificial two-stage	<u>1</u>	<u>1</u>
Use this space to draw profile of stream from above, after taking predominant bed					
	Peached <u>1</u>				
	Embanked <u>1</u>				
	Set-back embankments <u>1</u>				

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	WATER	Left	Right	WATER
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	E ≥ 33%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NO YES
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed backside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
			Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	NO YES
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapids(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Runs(s) - dunebed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Bells(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Gills(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site)

LEFT BANK

Banktop width (m) 0.75

Banktop height (m) 0.75

Embanked height (m) 0.60

RIGHT BANK

Banktop width (m) 0.75

Banktop height (m) 0.75

Embanked height (m) 0.60

If bankline lower than banktop break in slope, indicate height (m) 2.0 width(m) 10.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other (tick one box) Slope (IFE only) 2°

M. ARTIFICIAL FEATURES (Use 1-11 to indicate type)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 3 Fords = 1

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate)

dredging ☒ moving ☐ Other? State _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? ☐ YES ☐ NO

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompt and key words)

Descriptive sentences: Flow channel runs from the west, through some vegetation (phillos)

Plants of note: Light bank

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

IFB-1-A-1 - see survey notes

S. SUSPENDED SOLIDS (tick one box)

None ☐ Present ☐ Extensive ☐ Other (state) _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, DORSET ENGLAND

Envelopes supplied! Post completed form for processing - labels supplied

Have you completed your survey from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

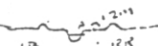
Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3577
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Dove
Date: 17.5.1995 Time: 13:00 Surveyor name: HO
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl 

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 1 Unvegetated point bars
Pools Vegetated point bars

National Rivers Authority

PA0121.7L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * <u>SL, SO, CO, CL, LF, CL, CC, SF, SF, SF, SF, SF</u>	<u>SA</u>	<u>MD</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>
Bank modification(s) <u>NO, SL, LF, CL, LF, CL, LF, CL, LF, CL, LF, CL</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>
Bank feature(s) <u>NO, NO, EC, EC, EC, EC, EC, EC, EC, EC, EC</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>
CHANNEL										
Channel rubbers * <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>
Flow type * <u>FF, CN, W, W, W, W, W, W, W, W, W</u>	<u>UP</u>	<u>SM</u>	<u>UP</u>	<u>UP</u>	<u>UP</u>	<u>UP</u>	<u>UP</u>	<u>UP</u>	<u>UP</u>	<u>UP</u>
Channel modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>
Channel feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>
RIGHT BANK										
Mat. * <u>SL, SO, CO, CL, LF, CL, CC, SF, SF, SF, SF, SF</u>	<u>SA</u>	<u>MD</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>	<u>EA</u>
Bank modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>
Bank feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide margin)										
Land use: choose one from SL, CL, SF, SF, SF, SF, SF, SF, SF, SF, SF	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>
LAND USE WITHIN 5m OF BANKTOP (L)	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>
LEFT BANK-TOP (structure within 1m) <u>SL, SF, SF, SF, SF, SF, SF, SF, SF, SF, SF</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>
LEFT BANK FACE (structure) <u>SL, SF, SF, SF, SF, SF, SF, SF, SF, SF, SF</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>
RIGHT BANK FACE (structure) <u>SL, SF, SF, SF, SF, SF, SF, SF, SF, SF, SF</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>
RIGHT BANK-TOP (structure within 1m) <u>SL, SF, SF, SF, SF, SF, SF, SF, SF, SF, SF</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>
LAND USE WITHIN 5m OF BANK TOP (R)	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>	<u>SL</u>
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 30% area) or if present)										
NONE (tick as appropriate)										
Living water/terrestrial										
Emergent broad-leaved herbs										
Emergent reeds/bulrushes										
Flowering-leaved (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

PA0121.7L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 30% banklength) or if present)

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Woodland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 30% banklength) or if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial/unmodified		
Vertical/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grass	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after sitting predetermined box			Peached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	E > 30%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal dead zone - slack	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Race(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reef(s) - upwelling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PA0121.7L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>1.5</u>	Banktop height (m)
Banktop width (m)	<u>1.5</u>	Banktop width (m)
Banktop height (m)	<u>1.5</u>	Banktop height (m)
Banktop width (m)	<u>1.5</u>	Banktop width (m)

If multiple lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (temporarily) ☐ unconsolidated (poor) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1:1 only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Part of site ☐ Most/whole of site ☐

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ meandering ☐ Other ? State:
wood-coring ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Embankment channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Brig
	Other (state):

P. CHOKED CHANNEL (Tick one box)

Is 30% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11)

Giant Hogweed ☒ Himalayan Balsam ☒ Japanese Knotweed ☐ Other ? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: steep, straight river, grassy left bank with some trees
Plants of note: right bank with grass banks with willow & some trees further
Major conservation features: wood ripon side of embankment is tilted inward
Major impact: Some other things on bankside
Incidental observations (animal etc): large black e... eating bird like a heron? (at night)

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

PA0121.7L

NRA RIVER HABITAT SURVEY 1995 IF & P 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? ☒ NO Navigation? ☒ NO

B. FIELD SURVEY DETAILS:

Reference network site number: **3579**

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **SK411208** River: **RAMSLEY BROOK**

Date: **21/6/1995** Time: **11:05** Surveyor name: **79, 74, 70, 16, 4, 7, 6, 4**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) **See 1/2 on 1**

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☒ + notes/other: **See 1/2 on 1**

D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (use 1/1 then indicate total number)

Riffles: **3** Unvegetated point bars: **0**

Pools: **1** Vegetated point bars: **0**

IFE-10-1 - 500m SWEEP-UP

National Rivers Authority

DATE: Recd _____ framed _____ visited _____ data _____

NRA RIVER HABITAT SURVEY 1995 TEN SPOT CHECKS

Riffles: ☒ Unvegetated point bars: ☒ Vegetated point bars: ☒

E. PHYSICAL ATTRIBUTES: (tick one box per site)

Spot check 1 to 10: (tick one box per site)

LEFT BANK: Back material (fine) ☒ NO, 1/2, 3/4, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 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613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? ☐ A ☐ B Navigation? ☐ A ☐ B

B. FIELD SURVEY DETAILS:

Reference network site number: **3580**

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **5K528263** River: **KINGSTON BROOK**

Date: **22.6.1995** Time: **11:50** Supervisor name: **TH. TW. PH. 16 AK 7040**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) **with 1/2 m!**

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles: **5** Unvegetated point bars: **0**

Pools: **0** Vegetated point bars: **0**

IFE-m-1 - see over page 1

National Rivers Authority

JAMES. Reard ground visible labels

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed along channel width 2m wide zone) (tick one box per site)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK:

Bank material (fine) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Bank modification(s) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Bank feature(s) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

CHANNEL NOTE: **USE 1-11, then indicate total number**

Channel substrate (fine) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Flow type (fine) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Channel modification(s) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Channel feature(s) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

RIGHT BANK:

Bank material (fine) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Bank modification(s) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

Bank feature(s) **10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from 1-11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSIC

LEFT BANK FACE (structure) BAUSIC

RIGHT BANK FACE (structure) BAUSIC

RIGHT BANK-TOP (structure within 1m) BAUSIC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one tick, use B (2-33%) or 7 (percent))

NONE ☐ Plant cover (tick one)

Emergent reeds ☐ Floating-leaved (spotted) ☐ Free-floating ☐ Amphibious ☐ Submerged - broad-leaved ☐ Submerged fine-leaved ☐ Filamentous algae ☐

Use and 'catch-all' column for types not occurring. In spot checks as well as overall assessment over 500m (use E or 1)

PLANT 5 - Use 1-11, then indicate total number

PLANT 5 - Use 1-11, then indicate total number + species if possible of Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% banklength) or 1 if present)

LEFT BANK

RIGHT BANK

I. BANK PROFILES (Use E (2-33% banklength) or 1 if present)

LEFT BANK

RIGHT BANK

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

ASSOCIATED FEATURES (Tick one box per feature)

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

LEFT BANK

RIGHT BANK

Have you completed your queries for this week? (send 4 FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

RIGHT BANK

M. ARTIFICIAL FEATURES (Use 1-11, then indicate total number, tick 'none' where appropriate)

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

P. CROOKED CHANNEL (Tick one box)

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11, then indicate total number, tick 'none' where appropriate)

R. BRIEF DESCRIPTION (Use prompts and expand as appropriate)

IFE 2 - check and complete by 1/10/95

SEND COMPLETED FORM TO: NICHOL DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BS

Envelope supplied! Post completed form for forwarding - labels supplied separately

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3583

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Lea Egs

Date: 15/6/1995 Time: 17:00 Surveyor name: HD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> terraced valley floor
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain
<input type="checkbox"/> concave/bowl	

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Rifles <u>9</u>	Unvegetated point bars
Pools	Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be carried across channel within a 2m wide zone)

Mat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ¹ AN, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Flow type ² 1F, 2F, 3F, 4F, 5F, 6F, 7F, 8F, 9F, 10F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be carried over a 10m wide transect)

Land use: choose one from 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
LAND USE WITHIN 5m OF BANKTOP (L)	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
LEFT BANK TOP (structure within 1m) ¹ 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
LEFT BANK FACE (structure) ¹ 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
RIGHT BANK FACE (structure) ¹ 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
RIGHT BANK TOP (structure within 1m) ¹ 1L, 2L, 3L, 4L, 5L, 6L, 7L, 8L, 9L, 10L	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
LAND USE WITHIN 5m OF BANK TOP (R)	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 33% area) or 4 (green))

NONE (tick as appropriate)										
Upriver/mosses/lichens										
Emergent broad-leaved herbs (e.g. <i>Sparganium</i> , <i>Sagittaria</i>)										
Emergent narrow-leaved herbs (e.g. <i>Phragmites</i> , <i>Scirpus</i>)										
Flowering-leaved (reeds)										
Tree-leaved										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Flamboyant algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 4)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or 4 if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (e.g. bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Meadow/grass (MG)			Improved/semi-improved grass (IG)		
Forest (FC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or 4 if present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undisturbed			Revetment		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial toe-edge		
Use this space to draw profile 2 sections from above, after filling profiled bank			Perched		
			Embedded		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal dead-water - silt		
Cascade(s) - chute			Exposed bedrock		
Step-pool sequence			Exposed boulders		
Rapid(s) - underwater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Rune(s) - stambed, riffled			Mature island(s)		
Bed(s) - up-wellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Backstop width (m)	<u>3.0</u>	RIGHT BANK
Backstop height (m)	Water width (m)	<u>2.0</u>	Backstop height (m)
Banked height (m)	Water depth (m)	<u>0.1</u>	Banked height (m)

If waterline lower than backstop break in slope, indicate: height (m) width (m)

Bed material at site is: gravel/sand (gravel) ☐ unconsolidated (silt) ☒ volcanic ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1 in 100)

M. ARTIFICIAL FEATURES (Use 1-11 then indicate total number, tick "none" where appropriate)

None	Number of Culverts =	Wires =	Outfalls =	Falls =
	Footbridges =	Revetments =	Other =	

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/bottom of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging	weeding	clearing	Other? State

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (if in corridor)
Waterfalls > 5m high	Artificial open water
Braided/wild channels	Natural open water
Detrital dams	Wet meadow
Loose debris	Fen
	Flush

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 then indicate total number)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Winding river, rocky, rough, copland. Over deep channel.

Photo of site: Backfill x 0.7m but ditch height x 3m.

Major conservation features:

Major impacts:

Incidental observations (animals etc): Many fish of all sizes up to 10"!

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3545
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: Z River: 12-35
 Date: 15/06/1995 Time: 15:35 Surveyor name: J.D.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 3 Unvegetated point bars
 Pools: 2 Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Stat. = Material = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. # 1-10, 11-12, 13-14, 15-16, 17-18, 19-20	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC
CHANNEL										
Channel substrate # 1-10, 11-12, 13-14, 15-16, 17-18, 19-20	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF
Flow type # 1-10, 11-12, 13-14, 15-16, 17-18, 19-20	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Stat. # 1-10, 11-12, 13-14, 15-16, 17-18, 19-20	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1-10, 11-12, 13-14, 15-16, 17-18, 19-20

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 2m) # 1-10	1	1	1	1	1	1	1	1	1	1
LEFT BANK FACE (structure) # 1-10	1	1	1	1	1	1	1	1	1	1
RIGHT BANK FACE (structure) # 1-10	1	1	1	1	1	1	1	1	1	1
RIGHT BANK TOP (structure within 2m) # 1-10	1	1	1	1	1	1	1	1	1	1
LAND USE WITHIN 5m OF BANK TOP (R)	1	1	1	1	1	1	1	1	1	1

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 33% area) or 4 (present))

None (tick as appropriate)

	1	2	3	4	5	6	7	8	9	10
Upriver/midriver/riverbank										
Emergent broad-leaved beds										
Emergent reeds/sedges/rushes										
Flowering-leaved (fringed)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or 4)

SITE NO. 3545 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or 4 (if present))

	L	R	L	R
Broadleaf/mixed woodland (BL)			Woodland (eg bog, marsh, fen) (W)	
Coniferous plantation (CP)			Open water (OW)	
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E
Scrub (SC)			Tilled land (TL)	
Rough pasture (RP)			Suburban/urban development (SU)	

I. BANK PROFILES (Use E (in 33% banklength) or 4 (if present))

	L	R	Artificial/modified	L	R
Natural/unmodified			Reinforced		
Vertical/steep			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Frump (> 45°)			Reinforced - toe only		
Grass			Artificial two-stage		
Composite		Perched			
Use this space to draw profile of channel from above, after taking predominant bank			Embedded		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging branches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stem-cessitious	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Natural island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - unrippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	3.75	RIGHT BANK	Banktop width (m)
Banktop height (m)	1.5		Banktop height (m)	1.5
Banktop height (m)	1.5		Banktop height (m)	1.5
Banktop height (m)	1.5		Banktop height (m)	1.5

If neither lower than banktop break in slope, indicate height (m) width(m)

End material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement in: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1/E only)

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =
 Footbridges = Railbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

digging ☐ mowing ☐ Other? State
 weed-killing ☐ re-planting ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Bag	Other (state)
Waterfalls > 5m high	Artificial open water	Cur	
Bruid/side channels	Natural open water	Mar	
Bar/s/dams	Water meadow	Fluk	
Leafy debris	Fen		

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NURSERY PLANT SPECIES (Use E or 4)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (list prompts and key words as appropriate)

Descriptive sentence: Shaded banktop reach, downstream section, with...
 Plants of note: ...
 Major conservation features: ...
 Major impacts: ...
 Incidental observations (animals etc): ...

S. DISEASED ALBERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3556
 Mid-section grid reference of network site if different from designated location: Arg
 COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 173202 River: GLE/1
 Date 12/16/1995 Time: 10:15 Surveyor name: C. C. / 14
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state _____
 Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + NOTES / EXTRA DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [1] then indicate total number)

Riffles 0 Unvegetated point bars 0
 Pools 0 Vegetated point bars 0

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

First check 1 is at upstream end [] downstream end [] of site (tick one box)

E PHYSICAL ATTRIBUTES (to be covered across channel within a few mile runs)

Mat. # Material # is one entry only

	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK											
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
New type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK											
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be covered over a 10m wide transect)

Land use closer than 5m from 3L, 3R, 3M, 3C, 3U, 3V, 3W, 3X, 3Y, 3Z

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK-TOP structure within 1m	U	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE structure	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE structure	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP structure within 1m	S	S	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or F (percent))

None (tick as appropriate) / FRACTION %

	1	2	3	4	5	6	7	8	9	10	ALL
Emergent broad-leaved herbs											
Emergent reeds/sedges/rushes											
Flowering leaved (woody)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fan-leaved											
Filamentous algae											

Use end 'hatch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (percent))

	L	R		L	R
Deciduous woodland (DL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or F (percent))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/badrock			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial re-staging		
Use this space to draw profile if different from above, after giving predominant toe			Peaked		
			Unbanked		
			Set back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	None	Present E	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E	Notes
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed backside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	Notes
Waterfalls - free fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwaters - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Canals - chert	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapids - white-water	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Runs - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Marsh islands	<input type="checkbox"/>	<input type="checkbox"/>	
Runs - unrippled	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Gulches - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Banktop height (m)	RIGHT BANK	Banktop width (m)	Banktop height (m)
	10.0	1.0		10.0	1.0
Banktop height (m)	1.0	1.0	Banktop height (m)	1.0	1.0
Banktop width (m)	10.0	1.0	Banktop width (m)	10.0	1.0

If bankline lower than banktop break in slope, indicate: height (m) width (m) in appropriate box

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use [1] indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Ponds = _____
 Footbridges = _____ Part of site ☐ Mouth of site ☐

Is water level controlled by weir/dam downstream? No ☒ Yes ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State _____
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Channel	Floodplain
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Recessed channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Loose debris <input type="checkbox"/>	Peat <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE RARE PLANT SPECIES (Use of E or F - TICKLE, RARE, RARE, RARE)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) THE SENTENCE(S)

Description of site: The site is a small, straight, uniform section of a river, approximately 50m long, with a riffle bed and a floodplain. The river is surrounded by a mix of woodland and open grassland. The site is located in a rural area, and the river is used for fishing and recreation.

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

SE CHEMICAL ANALYSIS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other chemical found? State _____

END COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOR, WAREHAM, BH20 1SB

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B FIELD SURVEY DETAILS

Reference network site number: 3587

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 17 27 26 River: 3587

Date: 11/11/1995 Time: 9:00 Surveyor name: 78, 74, 74, 16, 4K, 78

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site notes

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on this section

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE - Ind = See river page 13

National Rivers Authority

DATES: heard, found, visited, date of check

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or ✓ if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		<input checked="" type="checkbox"/>
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or ✓ if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificially modified		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use this space to draw profile if different from above, after taking predetermined box					
	Patched <input checked="" type="checkbox"/>				
	Embanked <input checked="" type="checkbox"/>				
	Set-back embankments <input checked="" type="checkbox"/>				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		E ≥ 33%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	NOTES
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rue(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Beil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Manure island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your responses from this week? (and 6 FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 2

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick position factor (P))

Spot check 1 is at: upstream ☐ downstream ☒ of site (tick one)

	1	2	3	4	5	6	7	8	9	10	Total
LEFT BANK (tick one) <u>downstream</u>											
Mat. <u>BL, RP, CP, GL, AL, FC, CC, SP, NP, GA, BR, AR, BW</u>	EA	FA	GA	HA	IA	JA	KA	LA	MA	NA	
Bank modification(s) <input checked="" type="checkbox"/> NO, AL, FC, BR, AR, BW	CS	AS	CS	AS	CS	AS	CS	AS	CS	AS	
Bank feature(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, FC, NP, SP, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE <u>Use the bank of the river</u>											
Channel substrate (one) <u>BL, RP, CP, GL, AL, FC, CC, SP, NP, GA, BR, AR, BW</u>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	
Flow type (one) <u>FF, CP, SP, NP, FC, CC, SP, NP, GA, BR, AR, BW</u>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	
Channel modification(s) <input checked="" type="checkbox"/> NO, NO, AL, FC, BR, AR, BW	CS	AS	CS	AS	CS	AS	CS	AS	CS	AS	
Channel feature(s) <input checked="" type="checkbox"/> NO, NO, AL, FC, BR, AR, BW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (tick one) <u>downstream</u>											
Mat. <u>BL, RP, CP, GL, AL, FC, CC, SP, NP, GA, BR, AR, BW</u>	EA	FA	GA	HA	IA	JA	KA	LA	MA	NA	
Bank modification(s) <input checked="" type="checkbox"/> NO, AL, FC, BR, AR, BW	CS	AS	CS	AS	CS	AS	CS	AS	CS	AS	
Bank feature(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, FC, NP, SP, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SP, NP, FC, CC, SP, NP, GA, BR, AR, BW

	1	2	3	4	5	6	7	8	9	10	Total
LAND USE WITHIN 5m OF BANKTOP (L)	BL	CP	SP	NP	FC	CC	SP	NP	GA	BR	
LEFT BANK-TOP (structure within 1m) (L)	BL	CP	SP	NP	FC	CC	SP	NP	GA	BR	
LEFT BANK FACE (structure) (L)	BL	CP	SP	NP	FC	CC	SP	NP	GA	BR	
RIGHT BANK FACE (structure) (R)	BL	CP	SP	NP	FC	CC	SP	NP	GA	BR	
RIGHT BANK-TOP (structure within 1m) (R)	BL	CP	SP	NP	FC	CC	SP	NP	GA	BR	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CP	SP	NP	FC	CC	SP	NP	GA	BR	

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: site E (≥ 33% area) or ✓ (present))

	1	2	3	4	5	6	7	8	9	10	Total
NONE (tick)											
Plant genera (tick one)											
Emergent broad-leaved herbs											
Emergent reeds, sedges, rushes											
Flowering-leaved (deciduous)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Flamant, algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

NOTES - Use site details of channel, e.g. flow, structure, species if possible, e.g. bank, pool, siltation, vegetation

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	<u>3.8</u>	<u>3.8</u>
Water width (m)	<u>1.7</u>	<u>1.7</u>
Banktop height (m)	<u>1.7</u>	<u>1.7</u>
Water depth (m)	<u>1.7</u>	<u>1.7</u>
Banktop height (m)	<u>1.7</u>	<u>1.7</u>

M ARTIFICIAL FEATURES (Use 1/2 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☒ moving ☐ Other? State: _____

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input checked="" type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use ✓ or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: The channel is a straight uniform section, preferably across a riffle

Plants of note: None

Major conservation feature: None

Major impact: None

Incidental observations (animals etc): None

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B100 6BB

Envelopes supplied! Post completed form for processing. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3583

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T1 1111 River: T1 DH 1H CC ML

Date 22/6/1995 Time: 15:17 Surveyor name: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, T32, T33, T34, T35, T36, T37, T38, T39, T40, T41, T42, T43, T44, T45, T46, T47, T48, T49, T50, T51, T52, T53, T54, T55, T56, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T67, T68, T69, T70, T71, T72, T73, T74, T75, T76, T77, T78, T79, T80, T81, T82, T83, T84, T85, T86, T87, T88, T89, T90, T91, T92, T93, T94, T95, T96, T97, T98, T99, T100, T101, T102, T103, T104, T105, T106, T107, T108, T109, T110, T111, T112, T113, T114, T115, T116, T117, T118, T119, T120, T121, T122, T123, T124, T125, T126, T127, T128, T129, T130, T131, T132, T133, T134, T135, T136, T137, T138, T139, T140, T141, T142, T143, T144, T145, T146, T147, T148, T149, T150, T151, T152, T153, T154, T155, T156, T157, T158, T159, T160, T161, T162, T163, T164, T165, T166, T167, T168, T169, T170, T171, T172, T173, T174, T175, T176, T177, T178, T179, T180, T181, T182, T183, T184, T185, T186, T187, T188, T189, T190, T191, T192, T193, T194, T195, T196, T197, T198, T199, T200, T201, T202, T203, T204, T205, T206, T207, T208, T209, T210, T211, T212, T213, T214, T215, T216, T217, T218, T219, T220, T221, T222, T223, T224, T225, T226, T227, T228, T229, T230, T231, T232, T233, T234, T235, T236, T237, T238, T239, T240, T241, T242, T243, T244, T245, T246, T247, T248, T249, T250, T251, T252, T253, T254, T255, T256, T257, T258, T259, T260, T261, T262, T263, T264, T265, T266, T267, T268, T269, T270, T271, T272, T273, T274, T275, T276, T277, T278, T279, T280, T281, T282, T283, T284, T285, T286, T287, T288, T289, T290, T291, T292, T293, T294, T295, T296, T297, T298, T299, T300, T301, T302, T303, T304, T305, T306, T307, T308, T309, T310, T311, T312, T313, T314, T315, T316, T317, T318, T319, T320, T321, T322, T323, T324, T325, T326, T327, T328, T329, T330, T331, T332, T333, T334, T335, T336, T337, T338, T339, T340, T341, T342, T343, 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NRA RIVER HABITAT SURVEY 1995: IFB P-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B FIELD SURVEY DETAILS

Reference network site number: 2564

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: JL DH 1H CC ML

Date: 11/11/95 Time: _____ Surveyor name: G.C. M.L.V. M.D. N.G. F.W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Site 11, m!

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 1 Unvegetated point bars _____

Pools 1 Vegetated point bars _____

IFE - 11-11-95 - See also page 113

National Rivers Authority

James, Richard, Graham, Michael, John, Charles

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) Mark position of feature (e)

Spot check 1 is at: upstream ☐ of site ☒ (tick one)

LEFT BANK Look in downstream

Mat. SL, SD, CO, CL, LF, CE, CC, SP, SF, SJ, SL, SJ, SL

Bank modification(s) ☒ NO, SL, LF, CE, CC, SP, SF, SJ, SL

Bank feature(s) ☒ NO, SL, LF, CE, CC, SP, SF, SJ, SL

CHANNEL NOTE Use 1/1 then indicate total number

Channel substrate (mat) SL, SD, CO, CL, LF, CE, CC, SP, SF, SJ, SL

Flow type (mat) NO, SL, LF, CE, CC, SP, SF, SJ, SL

Channel modification(s) ☒ NO, SL, LF, CE, CC, SP, SF, SJ, SL

Channel feature(s) ☒ NO, SL, LF, CE, CC, SP, SF, SJ, SL

RIGHT BANK Look in downstream

Mat. SL, SD, CO, CL, LF, CE, CC, SP, SF, SJ, SL

Bank modification(s) ☒ NO, SL, LF, CE, CC, SP, SF, SJ, SL

Bank feature(s) ☒ NO, SL, LF, CE, CC, SP, SF, SJ, SL

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, MH, SC, RP, WL, OW, H, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) _____

LEFT BANK-TOP (structure within 1m) SL, SD, CO, CL, LF, CE, CC, SP, SF, SJ, SL

LEFT BANK FACE (structure) SL, SD, CO, CL, LF, CE, CC, SP, SF, SJ, SL

RIGHT BANK FACE (structure) SL, SD, CO, CL, LF, CE, CC, SP, SF, SJ, SL

RIGHT BANK-TOP (structure within 1m) SL, SD, CO, CL, LF, CE, CC, SP, SF, SJ, SL

LAND USE WITHIN 5m OF BANK TOP (R) _____

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry use E (to 33% area) or d (percent))

NONE (tick) ☒ Plant species (tick one)

Emergent broad-leaved herbs ☐ Emergent reeds ☐ Floating-leaved ☐ Free-floating ☐ Amphibious ☐ Submerged ☐ Submerged float-leaved ☐ Submerged float-leaved ☐ Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or d) ↑

Notes - Use the left-hand column for types not occurring in spot checks as well as overall assessment over 500m (use E or d) ↑

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or d (percent))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or d (percent))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undrained			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - toe only		
Gentle			Reinforced - toe only		
Composite			Artificial toe/structure		
Use this space to draw profile of stream from above, after sitting predominant bank			Post-bed		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	Associated features (Tick one box per feature)	None	Present	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-coniferous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coniferous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your queries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>2.70</u>	Banktop height (m)
Embanked height (m)	<u>1.5</u>	Embanked height (m)
Water depth (m)	<u>1.5</u>	Water depth (m)

If transect lower than banktop break in slope, indicate height (m) 2.70 width (m) 1.5

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1/1 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____

Footbridges = _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? ☐ Site ☐

weed-cutting ☐ bank reinforcement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)	Other (tick)
Waterfalls > 5m high	Artificial open water	Bog
Braided/side channels	Natural open water	Carr
Debris dams	Water meadow	Marsh
Leafy debris	Fen	Flash

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use d or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐ State _____

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive notes: This is a deep drainage gully ditch lying between

Plants of note: Grassland

Major conservation features: 20% was a dry-out pool, runoff run

Major impacts: be a major impact on this ditch.

Incidental observations (animals etc): _____








IFE 3 channel sampling ☒ filtered ☐

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? ☐ State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, B120 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied on site

NRA RIVER HABITAT SURVEY 1995 IFA Field A Page 1 of 4			
A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: <u>3590</u>			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>TF55522</u>	River:	<u>78.74 PM 16 AK 76w</u>	
Date: <u>1.6.1995</u> Time: <u>14.5</u>	Surveyor name (initials)	<u>GC</u> <u>max</u> <u>no</u> <u>16</u> <u>76w</u>	
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	If yes, note
Bed of river visible?	No <input type="checkbox"/>	partially <input type="checkbox"/>	entirely <input checked="" type="checkbox"/> (tick one box)
Photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) <u>with site 15 on 1</u>			
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)			
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ notes/mph. Traction	
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)			
Riffles	Unvegetated point bars		
Pools	Vegetated point bars		

DATE	Received	Issued	Initials	Signature
1-14-77				














NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Kiffing ☐ (a) ☐ Pools ☐ Unvegetated point bars ☐ Vegetated point bars

E PHYSICAL ATTRIBUTES (to be measured across channel within a 2m wide zone) (a) ☐ (b) ☐ (c) ☐ (d) ☐ (e) ☐ (f) ☐ (g) ☐ (h) ☐ (i) ☐ (j) ☐ (k) ☐ (l) ☐ (m) ☐ (n) ☐ (o) ☐ (p) ☐ (q) ☐ (r) ☐ (s) ☐ (t) ☐ (u) ☐ (v) ☐ (w) ☐ (x) ☐ (y) ☐ (z) ☐ (aa) ☐ (ab) ☐ (ac) ☐ (ad) ☐ (ae) ☐ (af) ☐ (ag) ☐ (ah) ☐ (ai) ☐ (aj) ☐ (ak) ☐ (al) ☐ (am) ☐ (an) ☐ (ao) ☐ (ap) ☐ (aq) ☐ (ar) ☐ (as) ☐ (at) ☐ (au) ☐ (av) ☐ (aw) ☐ (ax) ☐ (ay) ☐ (az) ☐ (ba) ☐ (bb) ☐ (bc) ☐ (bd) ☐ (be) ☐ (bf) ☐ (bg) ☐ (bh) ☐ (bi) ☐ (bj) ☐ (bk) ☐ (bl) ☐ (bm) ☐ (bn) ☐ (bo) ☐ (bp) ☐ (bq) ☐ (br) ☐ (bs) ☐ (bt) ☐ (bu) ☐ (bv) ☐ (bw) ☐ (bx) ☐ (by) ☐ (bz) ☐ (ca) ☐ (cb) ☐ (cc) ☐ (cd) ☐ (ce) ☐ (cf) ☐ (cg) ☐ (ch) ☐ (ci) ☐ (cj) ☐ (ck) ☐ (cl) ☐ (cm) ☐ (cn) ☐ (co) ☐ (cp) ☐ (cq) ☐ (cr) ☐ (cs) ☐ (ct) ☐ (cu) ☐ (cv) ☐ (cw) ☐ (cx) ☐ (cy) ☐ (cz) ☐ (da) ☐ (db) ☐ (dc) ☐ (dd) ☐ (de) ☐ (df) ☐ (dg) ☐ (dh) ☐ (di) ☐ (dj) ☐ (dk) ☐ (dl) ☐ (dm) ☐ (dn) ☐ (do) ☐ (dp) ☐ (dq) ☐ (dr) ☐ (ds) ☐ (dt) ☐ (du) ☐ (dv) ☐ (dw) ☐ (dx) ☐ (dy) ☐ (dz) ☐ (ea) ☐ (eb) ☐ (ec) ☐ (ed) ☐ (ee) ☐ (ef) ☐ (eg) ☐ (eh) ☐ (ei) ☐ (ej) ☐ (ek) ☐ (el) ☐ (em) ☐ (en) ☐ (eo) ☐ (ep) ☐ (eq) ☐ (er) ☐ (es) ☐ (et) ☐ (eu) ☐ (ev) ☐ (ew) ☐ (ex) ☐ (ey) ☐ (ez) ☐ (fa) ☐ (fb) ☐ (fc) ☐ (fd) ☐ (fe) ☐ (ff) ☐ (fg) ☐ (fh) ☐ (fi) ☐ (fj) ☐ (fk) ☐ (fl) ☐ (fm) ☐ (fn) ☐ (fo) ☐ (fp) ☐ (fq) ☐ (fr) ☐ (fs) ☐ (ft) ☐ (fu) ☐ (fv) ☐ (fw) ☐ (fx) ☐ (fy) ☐ (fz) ☐ (ga) ☐ (gb) ☐ (gc) ☐ (gd) ☐ (ge) ☐ (gf) ☐ (gg) ☐ (gh) ☐ (gi) ☐ (gj) ☐ (gk) ☐ (gl) ☐ (gm) ☐ (gn) ☐ (go) ☐ (gp) ☐ (gq) ☐ (gr) ☐ (gs) ☐ (gt) ☐ (gu) ☐ (gv) ☐ (gw) ☐ (gx) ☐ (gy) ☐ (gz) ☐ (ha) ☐ (hb) ☐ (hc) ☐ (hd) ☐ (he) ☐ (hf) ☐ (hg) ☐ (hh) ☐ (hi) ☐ (hj) ☐ (hk) ☐ (hl) ☐ (hm) ☐ (hn) ☐ (ho) ☐ (hp) ☐ (hq) ☐ (hr) ☐ (hs) ☐ (ht) ☐ (hu) ☐ (hv) ☐ (hw) ☐ (hx) ☐ (hy) ☐ (hz) ☐ (ia) ☐ (ib) ☐ (ic) ☐ (id) ☐ (ie) ☐ (if) ☐ (ig) ☐ (ih) ☐ (ii) ☐ (ij) ☐ (ik) ☐ (il) ☐ (im) ☐ (in) ☐ (io) ☐ (ip) ☐ (iq) ☐ (ir) ☐ (is) ☐ (it) ☐ (iu) ☐ (iv) ☐ (iw) ☐ (ix) ☐ (iy) ☐ (iz) ☐ (ja) ☐ (jb) ☐ (jc) ☐ (jd) ☐ (je) ☐ (jf) ☐ (jg) ☐ (jh) ☐ (ji) ☐ (jj) ☐ (jk) ☐ (jl) ☐ (jm) ☐ (jn) ☐ (jo) ☐ (jp) ☐ (jq) ☐ (jr) ☐ (js) ☐ (jt) ☐ (ju) ☐ (jv) ☐ (jw) ☐ (jx) ☐ (jy) ☐ (jz) ☐ (ka) ☐ (kb) ☐ (kc) ☐ (kd) ☐ (ke) ☐ (kf) ☐ (kg) ☐ (kh) ☐ (ki) ☐ (kj) ☐ (kk) ☐ (kl) ☐ (km) ☐ (kn) ☐ (ko) ☐ (kp) ☐ (kq) ☐ (kr) ☐ (ks) ☐ (kt) ☐ (ku) ☐ (kv) ☐ (kw) ☐ (kx) ☐ (ky) ☐ (kz) ☐ (la) ☐ (lb) ☐ (lc) ☐ (ld) ☐ (le) ☐ (lf) ☐ (lg) ☐ (lh) ☐ (li) ☐ (lj) ☐ (lk) ☐ (ll) ☐ (lm) ☐ (ln) ☐ (lo) ☐ (lp) ☐ (lq) ☐ (lr) ☐ (ls) ☐ (lt) ☐ (lu) ☐ (lv) ☐ (lw) ☐ (lx) ☐ (ly) ☐ (lz) ☐ (ma) ☐ (mb) ☐ (mc) ☐ (md) ☐ (me) ☐ (mf) ☐ (mg) ☐ (mh) ☐ (mi) ☐ (mj) ☐ (mk) ☐ (ml) ☐ (mm) ☐ (mn) ☐ (mo) ☐ (mp) ☐ (mq) ☐ (mr) ☐ (ms) ☐ (mt) ☐ (mu) ☐ (mv) ☐ (mw) ☐ (mx) ☐ (my) ☐ (mz) ☐ (na) ☐ (nb) ☐ (nc) ☐ (nd) ☐ (ne) ☐ (nf) ☐ (ng) ☐ (nh) ☐ (ni) ☐ (nj) ☐ (nk) ☐ (nl) ☐ (nm) ☐ (nn) ☐ (no) ☐ (np) ☐ (nq) ☐ (nr) ☐ (ns) ☐ (nt) ☐ (nu) ☐ (nv) ☐ (nw) ☐ (nx) ☐ (ny) ☐ (nz) ☐ (oa) ☐ (ob) ☐ (oc) ☐ (od) ☐ (oe) ☐ (of) ☐ (og) ☐ (oh) ☐ (oi) ☐ (oj) ☐ (ok) ☐ (ol) ☐ (om) ☐ (on) ☐ (oo) ☐ (op) ☐ (oq) ☐ (or) ☐ (os) ☐ (ot) ☐ (ou) ☐ (ov) ☐ (ow) ☐ (ox) ☐ (oy) ☐ (oz) ☐ (pa) ☐ (pb) ☐ (pc) ☐ (pd) ☐ (pe) ☐ (pf) ☐ (pg) ☐ (ph) ☐ (pi) ☐ (pj) ☐ (pk) ☐ (pl) ☐ (pm) ☐ (pn) ☐ (po) ☐ (pp) ☐ (pq) ☐ (pr) ☐ (ps) ☐ (pt) ☐ (pu

PLANTS - Use 1st 4 letters of genus → Pota & Potomagetan
+ species if possible → Pota pest & Potomagetan pestination

II LAND USE WITHIN 50m OF BANKTOP Use E (\geq 33% banklength) or \neq if present.					
	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (HM)			Improved/unimproved grass (IG)		
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

I BANK PROFILES Use E (\geq 33% banklength) or \neq if present.					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unterraced 			Reactive sand 	F	E
Vertical + toe 			Reinforced - whole bank 		
Sloped (> 45°) 		<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use pits open to down profile at distance from shore, show existing groundmarked base			Poached 		
			Embanked 		
			Self-back embankments 		

J EXTENT OF TREES AND ASSOCIATED FEATURES									
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)					
	Left	Right	NOTES	E \geq 33%	None	Present	E	NOTES	
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

K CHANNEL FEATURES (Tick one box per feature)									
	None	Present	E		None	Present	E	NOTES	
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water - silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rapid(s) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Race(s) - diamond, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Boil(s) - apron-filling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Have you completed your expenses for this week? (send to FWD for signature!)

Page 4 of 4

NRA RIVER HABITAT SURVEY 1995; DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS To be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Banktop width (m)	6	RIGHT BANK	
Banktop height (m)	7	Water width (m)	1.5	Banktop height (m)	2
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If trashline lower than banktop break in slope, indicate height (m) _____ width(m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use IFE to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = { 1 } Weirs = _____ Outfalls = _____
Footbridges = _____ Roadbridges = _____ Other = _____
Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State _____
weeding ☐ enhancement ☒ researched in the past _____

O FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) _____
Braided/wide channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Pea <input type="checkbox"/>	Fluck <input type="checkbox"/>	

P CHOKE D CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (tick ✓ or ✗)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State _____

R BRIEF DESCRIPTION (Use present tense & by words as appropriate - The Subcatchment)

Descriptive sentence: Reselected field drain. Water present in the short sections adjacent to road, and last two spot checks.

Plants of note:

Major conservation features:

Major impacts: Agricultural land drainage, no water at present

Incidental observations (animals etc):

IF 2 channels by the B filterd ☒

S DISEASED WILDS (Tick all boxes)

Noon ☐ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed films for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 369
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THIS FOLLOWING FOR ALL SITES
 Grid Reference: TF672204 River: ANTONY RIVER
 Date: 15/1995 Time: 10:30 Surveyor name: J. H. P. M. A. K. T. M.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) Site No. 1
 Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave bowl + notes/extra diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10, then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 IFE = 100m Sweep-up

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Spot check 1 is at upstream end of downstream

LEFT BANK (looking downstream)

Bank material (fine) FL, PO, CO, CL, SL, GL, CL
 Bank modification (fine) NO, AL, PL, CL, AM, AM
 Bank features (fine) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
 CHANNEL NOTE: Use the above codes to describe the channel bed and banks.
 Channel substrate (fine) FL, PO, CO, CL, SL, GL, CL
 Flow type (fine) FL, PO, CO, CL, SL, GL, CL
 Channel modification (fine) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
 Channel features (fine) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
RIGHT BANK (looking downstream)

Bank material (fine) FL, PO, CO, CL, SL, GL, CL
 Bank modification (fine) NO, AL, PL, CL, AM, AM
 Bank features (fine) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from FL, CL, PO, CO, CL, SL, GL, CL, PO, CO, CL, SL, GL, CL
 LAND USE WITHIN 5m OF BANKTOP (L)
 LEFT BANK-TOP (structure within 1m) RUSAC
 LEFT BANK FACE (structure) RUSAC
 RIGHT BANK-TOP (structure within 1m) RUSAC
 RIGHT BANK FACE (structure) RUSAC
 LAND USE WITHIN 5m OF BANKTOP (R)
 RIGHT BANK-TOP (structure within 1m) RUSAC
 RIGHT BANK FACE (structure) RUSAC

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (to 33% area) or 4 (to 100%))

NONE (tick) Plant growth (tick one)
 Emergent broad-leaved herbs
 Emergent reeds
 Floating-leaved (epiphytic)
 Free-floating
 Amphibious
 Submerged - broad-leaved
 Submerged fine-leaved
 Flammable algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or 4)

PLANTS - Use tick in boxes of types not occurring in spot checks as well as overall assessment over 500m (use E or 4)
 + species of plants of particular interest

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or 4 (to 100%))

Broadleaved woodland (BL) F Wetland (eg bog, marsh, fen) (W)
 Grassland (GR) Open water (OW)
 Moorland/heath (MH) Improved/semi-improved grass (IG)
 Scrub (SC) Tilled land (TL) F
 Rough pasture (RP) Suburban/urban development (SU) F

I. BANK PROFILES (Use E (to 33% banklength) or 4 (to 100%))

Natural/unmodified L R Artificial/unmodified L R
 Vertical/undercut L R Reinforced - whole bank L R
 Vertical + toe L R Reinforced - toe only L R
 Steep (> 45°) L R Reinforced - toe only L R
 Gentle L R Artificial two-stage L R
 Composite L R
 Use tick signs to show profile of E from shore, other tick sign for downstream bank

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)
 None L R None Present E
 Isolated/scarce ☐ ☐ Shedding of canopy ☐ ☐
 Regularly spaced, single ☐ ☐ Exposed bankside roots ☐ ☐
 Occasional clumps ☐ ☐ Underwater tree roots ☐ ☐
 Semi-continuous ☐ ☐ Fallen trees ☐ ☐
 Continuous ☐ ☐ Coarse woody debris ☐ ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ ☐ Marginal deadwater - slack ☐ ☐
 Cascade(s) - chute ☐ ☐ Exposed bedrock ☐ ☐
 Step-pool sequence ☐ ☐ Exposed boulders ☐ ☐
 Rapid(s) - whitewater ☐ ☐ Unvegetated mid-channel bars ☐ ☐
 Riffle-pool sequence ☐ ☐ Vegetated mid-channel bars ☐ ☐
 Run(s) - distributed, rippled ☐ ☐ Marine island(s) ☐ ☐
 Bell(s) - upwelling ☐ ☐ Unvegetated side bars ☐ ☐
 Glide(s) - smooth, no eddies ☐ ☐ Vegetated side bars ☐ ☐

Have you completed your species form this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Backstop width (m) 9 RIGHT BANK
 Backstop height (m) 25 Water width (m) 35 Backstop height (m) 3
 Embankment height (m) Water depth (m) 1.4 Embankment height (m)

If suitable lower than backstop break in slope, indicate: height (m) width (m)
 Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement in: riffle ☐ run or glide ☒ other (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10, then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 4 Weirs = 1 Outfalls = 1 Piers = 1
 Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Mouth of site ☐
 Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ mowing ☒ Other? State:
 weed-killing ☐ enhancement ☒ reserfed right bank but not left

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
 Braided/side channels ☐ Natural open water ☐ Care ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flank ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10, then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:
 None ☒ Present ☐ Extensive ☐ Other (state)
 None ☒ Present ☐ Extensive ☐ Other (state)
 None ☒ Present ☐ Extensive ☐ Other (state)

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Straightened medium flow on sandy bottom
 Plants of note: Laminaria adjacent on right bank. Downstream end
 Major conservation features: Set-back embankment on left bank
 Major impacts: Agricultural land
 Incidental observations (animals etc):








S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (state)
 None ☒ Present ☐ Extensive ☐ Other (state)

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB
 Envelopes supplied! Post completed form for processing - ticks supplied

BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ?	Navigation ?

FIELD SURVEY DETAILS	
Reference network site number: <u>3543</u>	
Mid-section grid reference of network site (if different from designated location):	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference: <u>TF 561254</u>	River: <u>Wensum</u>
Date: <u>2.6.1995</u> Time: <u>13:10</u>	Surveyor name: <u>(initials)</u> <u>MLV</u> <u>NO</u> <u>16</u> <u>10</u> <u>15</u>
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If/yes, state: <u> </u>
Bed of river visible?	No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/> (tick one box)
Photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (tick one box)	<u>Special lighting</u> <u>wide</u> <u>10</u> <u>15</u> <u>16</u> <u>10</u> <u>15</u>
Site surveyed from: left bank <input type="checkbox"/> right bank <input type="checkbox"/> channel <input checked="" type="checkbox"/> (tick as appropriate)	

C. PREDOMINANT VALLEY FORM (tick one box only)	
 <input type="checkbox"/> shallow Vee	 <input type="checkbox"/> terraced valley floor
 <input type="checkbox"/> deep Vee	 <input checked="" type="checkbox"/> symmetrical floodplain
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain
 <input type="checkbox"/> concave/bowl	<u>+ notes on the diagram</u>

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)	
Riffles <u>2</u>	Unvegetated point bars
Pools	Vegetated point bars

IFE-10-1-Survey-1994

National Rivers Authority

Rifles (if any)	Ponds	Unvegetated point bars	Vegetated point bars											
<p>1. PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)</p> <p>Spot check 1 is at upstream end of site</p>														
<p>LEFT BANK <i>low down stream</i></p>		1	2	3	4	5	6	7	8	9	10	11	12	
Bank material (fine)		17, 20, 22, 23, 24, 25, 26	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	
Bank modification(s)		<input checked="" type="checkbox"/> 20, 21, 22, 23, 24, 25	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)		<input checked="" type="checkbox"/> 20, 21, 22, 23, 24, 25	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
<p>CHANNEL NOTE <i>Use, bank, etc. as appropriate</i></p>														
Channel substrate (fine)		17, 20, 22, 23, 24, 25, 26	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	
Flow type (fine)		17, 20, 22, 23, 24, 25, 26	SM	GP	SM	GP	SM	GP	SM	SM	SM	SM	GP	
Channel modification(s)		<input checked="" type="checkbox"/> 20, 21, 22, 23, 24, 25	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)		<input checked="" type="checkbox"/> 20, 21, 22, 23, 24, 25	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK <i>low down stream</i>			CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	
Bank material (fine)		17, 20, 22, 23, 24, 25, 26	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA	
Bank modification(s)		<input checked="" type="checkbox"/> 20, 21, 22, 23, 24, 25	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)		<input checked="" type="checkbox"/> 20, 21, 22, 23, 24, 25	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
<p>2. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</p>														
<p>Land use: choose one from RL, GP, HVC, RP, PL, OW, PL, NW</p>														
LAND USE WITHIN 5m OF BANKTOP (L)			GP	RP	SC	SC	RP	RP	SC	RP	RP	SC	RP	
LEFT BANK-TOP (structure within 3m) <i>BLANK</i>			U	U	U	BS	U	U	U	U	U	U	U	
LEFT BANK FACE (structure) <i>BLANK</i>			U	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK FACE (structure) <i>BLANK</i>			U	U	U	U	U	U	U	U	U	U	U	
RIGHT BANK-TOP (structure within 3m) <i>BLANK</i>			U	U	U	U	U	U	U	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)			GP	RP	SC	RP	RP	RP	RP	RP	RP	RP	RP	
<p>3. CHANNEL VEGETATION TYPES (fill in relevant boxes with wet, emerg, etc. (E or 3/5 area), or C (forest))</p>														
NONE (pic)		<i>Plant species (list in 2)</i>												
Litter/debris														
Emergent broad-leaved														
Emergent reeds														
Emergent sedges														
Emergent grasses														
Free-floating														
Amphibious														
Shrubland														
Shrubland-leaved														
Submerged forest														
Flowering														
Flowering														

NRA RIVER HABITAT SURVEY FORM									
SITE NO. _____									
11. LAND USE WITHIN 50m OF BANKTOP. Use E (to 33% banktop) or F if present									
	L	R		L	R				
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (W)						
Coniferous plantation (CP)			Open water (OW)						
Moorland/heath (MH)			Improved/semi-improved grass (IG)						
Scrub (SC)			Tilled land (TL)						
Rough pasture (RP)			Subsided/soak development (SD)						
12. BANK PROFILES: Use E (to 33% banktop) or F if present									
	L	R		L	R				
Natural/unmodified			Artificial/modified						
Vertical/bankcut			Reclaimed						
Vertical + toe			Reinforced - whole bank						
Steep (> 45°)			Reinforced - top only						
Graze			Reinforced - toe only						
Composite			Artificial two-stage						
Use this space to draw profile if different from above, after making preliminary first			Perched						
			Embanked						
			Set-back embankments						
13. EXTENT OF TREES AND ASSOCIATED FEATURES									
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)					
	Left	Right	% Tree E > 33%		None	Present E	% Tree		
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>			
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>			
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>			
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>			
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>			
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>			
14. EXTENT OF CHANNEL FEATURES (Tick one box per feature)									
	None	Present E		None	Present E	% Tree			
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>				
Canal(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>				
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>				
Rapids(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>				
Riffle/rapid sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>				
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>				
Bed(s) - gravel/silt	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>				
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>				

CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK	
Backstop width (m)		Backstop width (m)	
Backstop height (m)	0.5	Backstop height (m)	0.75
Embarked height (m)		Embarked height (m)	
If trashline lower than backstop break is slope, indicate height (m)		width (m)	
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (pick one box) Slope (IFE only)			
M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/>	Number of Culverts =	Wings =	Outfalls =
	Footbridges =	Rockbridges =	Others =
Is water level controlled by weirs/dams/downs? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Yes <input type="checkbox"/> (tick whole of site <input type="checkbox"/>)			
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
dredging <input type="checkbox"/>	moving <input type="checkbox"/>	Other? <input type="checkbox"/>	Embankment as last three years <input type="checkbox"/>
weeding <input type="checkbox"/>	enhancement <input type="checkbox"/>		
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box)			
CHANNEL			
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Beg <input type="checkbox"/>	Other (tick)
Brick/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cut <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Loose debris <input type="checkbox"/>	Fra <input type="checkbox"/>	Flood <input type="checkbox"/>	
P. CHOKED CHANNEL (Tick one box)			
Is 25% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>			
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 for each, tick "none" if none)			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? <input type="checkbox"/> State			
R. BRIEF DESCRIPTION (Use words and tick words as appropriate) The Salix (S)			
Descriptive notes: Medium flow through agricultural land, fairly straight.			
Plants of note			
Major conservation features			
Major impacts			
Incidental observations (animals etc):			
IFE checked by <input checked="" type="checkbox"/> Field <input checked="" type="checkbox"/>			
S. DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other disease insect? <input type="checkbox"/> State
SEND COMPLETED FORM TO: HANSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB			

NRA RIVER HABITAT SURVEY 1995 If A & B Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3595 1 ft

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SS TCTG 525 River: WINDUM
TB, TW FH 16 AK 7cm

Date 2.1.1995 Time: 11:30 Surveyor name
(only if solo) EON MLE NS 116 FAS

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)

Photographs: general character? No ☐ Yes ☐ (pick one box)
[Estimated - nature point required if false!]
Special features with 50% m!
Estimated - nature point required if false! Brown

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (pick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave bowl		

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [] then indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

IFE: indicated not indicated

National Rivers Authority

DATE	NAME	REMARKS	INITIALS	DATE
1943	JAMES, Howard	passed	initials	date

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Riffles ☐ Pools ☐ Ungrazed point bars ☐ Vegetated point bars ☐

C. PHYSICAL ATTRIBUTES (to be assessed across channel width in 1m wide strips)

Spot check 1 is at upstream end of stream	of size (ft/ft cap)	1	2	3	4	5	6	7	8	9	10
LEFT BANK <i>bank down stream</i>		floodridge									
Bank material (fine)	SL, SD, GP, GL, S, FL, G	GA									
Bank modification(s)	NO, SL, N, N, N, N, N	RS									
Bank feature(s) <input checked="" type="checkbox"/> AK, NO, LC, SC, FL, SL, SL		NO									
CHANNEL NOTE: <i>use 1m wide strip</i>											
Channel substrate (fine)	SL, SD, GP, GL, S, FL, G	SA									
Flow type (fine)	FL, GL, FL, FL, FL, FL, FL, FL, FL, FL	NO			NO						
Channel modification(s)	NO, SL, SL, SL, SL, SL	NO									
Channel feature(s)	NO, SL, SL, SL, SL, SL	NO									
RIGHT BANK <i>bank down stream</i>											
Bank material (fine)	SL, SD, GP, GL, S, FL, G	GA									
Bank modification(s)	NO, SL, SL, SL, SL, SL	RS									
Bank feature(s) <input checked="" type="checkbox"/> AK, NO, LC, SC, FL, SL, SL		NO									
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from SL, CP, SN, R, SL, FL, GP, GL, SL, SD											
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL									
LEFT BANK-TOP (structure within 1m)	15% C	U									
LEFT BANK FACE (structure)	15% C	B							5		
RIGHT BANK FACE (structure)	15% C	U									
RIGHT BANK-TOP (structure within 1m)	15% C	U									
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL									
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 15% area) if 2 present)											
NONE (a)	<i>Plant species (Latin)</i>										
Emergent mosses/lichens	<i>Hydrocotyle</i>										
Emergent broad-leaved herbs	<i>Equisetum</i>	E									
Emergent reeds/sedges/rushes											
Floating-leaved (rooted)											
Free floating											
Ambulchous											
Submerged broad-leaved											
Submerged fine-leaved											
Fine-leaved algae											

Use and check-off columns for types not occurring in spot checks as well as overall assessment over 500m (use E or 1)

FLINTS - the 1st 4 letters of names of potatoes
+ remain if possible in potato part & Potomac part













2/2/81

PLANT NO. NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m of BANKTOP. *Use E (to 315 banklength) or I if present*

	L	R		L	R
Brackish/Inland wetland (BL)			Wetland (eg bog, marsh, etc) (WL)		
Coniferous plantation (CF)			Open water (OW)		
Moorland/Heath (MH)			Improved/unimproved grass (IG)		
Scrub (SC)			Tilled land (TL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rough pasture (RP)			Suburban/urban development (SU)		

III. BANK PROFILES. *Use E (to 315 banklength) or I if present*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut 			Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe 			Reinforced - whole bank 		
Steep (> 45°) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use this space to draw profile if different from above, show 610m unmodified bed			Reinforced 		
			Embedded 		
			Set-back embankment 		

IV. EXTENT OF TREES AND ASSOCIATED FEATURES:

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)			
Left	Right	WATER	E > 315	None	Present E	WATER
None <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

V. EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

	None	Present E	WATER	None	Present E	WATER
Waterfall(s) - freefall <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal dike/levee - silted <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step-pool sequence <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - midwater <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s) <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Beil(s) - spellings <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Have you completed your expenses from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS is measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Bank width (m)	16	RIGHT BANK	
Banktop height (m)	2.15	Water width (m)	4.1	Banktop height (m)	2.75
Enbanked height (m)		Water depth (m)	1.0cm	Enbanked height (m)	

If bankline lower than banktop broad in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (temp) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use "X" indicate total number, tick "none" where appropriate)

None <input type="checkbox"/>	Number of Culverts = 1	Weirs =	Outfalls =	Fords =
	Footbridges = 3	Footbridges =	Others =	

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State
weeding <input type="checkbox"/>	restoration <input checked="" type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Bankside channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Big <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Mudh <input type="checkbox"/>
	Flath <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 3% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use "or" or "etc") None, Shallow Fen

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use phrases and key words as appropriate) The 'Salween'

Descriptive sentence: Field drainage channel. Dry except for 2 small puddles. Functional and straight

Plants of note:

Major conservation features:

Major impacts: Adjacent arable land

Incidental observations (animals etc):

IFE ☒ Salween ☐ Field ☐

S DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (disease) State

SEND COMPLETED FORM TO: IGHAM HANSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6RT

Envelopes supplied! Post completed files for processing - labels supplied as requested

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope(m/km) Flow category (1-10)

Solid geology code Drift geology code Plankton category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3596 (16)

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T41415240 River: DOCK

Date 23.6.1995 Time: 9.45 Surveyor name: M. J. H. (16)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with site 1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/12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A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/m)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 397

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TG20203 River: Bure

Date: 15/6/1995 Time: 13:40 Surveyor name: G.C. M.A. W.B. G.P.








Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state fast bank
unaccessible

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 1/2 m. !
Essential - pattern visible regard of features

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

	<input checked="" type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ NOTES/extra diagrams	

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

FE-Med - Survey 1995/1996 National Rivers Authority

DATES. Record	prepared	revised	date
1941-42			

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Rifles ((R))	Pools	Unvegetated point bars	Vegetated point bars								
E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) mark vegetation features (f)											
Spot check 1 is at: upstream and downstream of site (of site) <input type="checkbox"/> (left over)											
LEFT BANK	banking down stream	1	2	3	4	5	6	7	8	9	10
Bank material (fine)	BL,BO.CO,GJ,JA,JC	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	N/A,NL,PC,BN,MN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NK,NO,E,C,J,P,V,N,M,T	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE	Use same bank as above if relevant	J landing stage									
Channel substrate (fine)	VY,AL,BO.CO,CP,SA,SL,CLM	NV	NV	SI	NV	NV	NV	NV	NV	NV	NV
Flow type (fine)	FL,OL,WV,CF,AP,UF,SN,M,NO	M	M	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	ACAO,NL,AL,DA,JO	NH	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NQ,NO,NR,V,N,M,TB	NH	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	Jacking down stream	WP									
Bank material (fine)	BL,BO.CO,GJ,JA,JC,CL	CA	CA	BA	BA	FA	FA	GA	FA	FA	FA
Bank modification(s)	NO,NL,PC,BN,MN	NO	NO	NI	NO	NO	NH	NO	NO	NO	NO
Bank feature(s)	NK,NO,E,C,J,P,V,N,M,T	SC	NO	NO	NO	NI	NO	NO	NO	NO	NO
F BANTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide lens area)											
Land use: choose one from BL, CP, HX, SC, ZP, WL, OW, NL, LU											
LAND USE WITHIN 5m OF BANTOP (L)	Sr, BL, GL, SC, Xc, Xc, SC, Q, BL, R, GL										
LEFT BANK-TOP (structure within 1m)	BANUC	U	U	U	S	S	S	I	I	S	U
LEFT BANK FACE (structure)	BANUC	U	U	U	U	U	V	V	U	U	U
RIGHT BANK FACE (structure)	BANUC	B	B	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	BANUC	U	U	B	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	GL, SC, SL, GL, GL, GL, GL, GL, GL, RP										
G CHANNEL VEGETATION TYPES (list in retention boxes with one curve; use E (> 33% area) or F (less than 33%)											
NONE pick	Plant species (list none)										
Liverworts/mosses/liches	Sphagnum Sparganium										
Emergent broad leaved herbs	any										
Emergent reeds/grasses/rushes	Phragmites	✓			✓		✓	E			
Floating-leaved plants	Najas										✓
Free-floating	Yellow flag lvs.										
Amphibious											
Submerged - broad-leaved								✓			
Submersed fine leafed-leaved		✓	E	✓	✓					✓	✓
Flowering algae										✓	E

Note and "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANT S - Use 1st 4 letters of genus = Pota, Potamogeton
+ species if possible of Pota just = Potamogeton pectinatus

II LAND USE WITHIN 50m of BANKTOP. Use E (≥ 33% banklength) or / if present									
	L	R		L	R				
Erica/limited woodland (EL)	✓	F	Wetland (eg bog, marsh, fen) (WL)	F	✓				
Ceniferous plantation (CP)			Open water (OW)						
Moorland/heath (BH)			Improved/wild-improved grass (IG)						
Scrub (SC)	✓	✓	Tilled land (TL)						
Rough pasture (RP)	✓	✓	Suburban/urban development (SU)						

I BANK PROFILES: Use E (≥ 33% banklength) or / if present									
	L	R		L	R				
Natural/unmodified			Artificially modified						
Vertical/unexcavated		✓	Reinforced						
Vertical + toe			Reinforced - whole bank		✓				
Slope (> 45°)		F ✓ E	Reinforced - top only						
Grass		✓ ✓	Reinforced - toe only						
Composite			Artificial two-stage						
Use this space to draw profile if different from above, but indicate predominant bank			Paired						
			Embanked						
			Scrub-back embankment						

J EXTENT OF TREES AND ASSOCIATED FEATURES									
TREES (Tick one box per bank)					ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	NATURAL	E ≥ 33%		None	Present	E	NATURAL
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)									
	None	Present	E		None	Present	E	NATURAL	
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scarp/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whirewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rung(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses from this week? (send to FWD for signature!)

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	D-5	Banktop width (m)	16.5	RIGHT BANK	
Banktop height (m)	1.58	Water width (m)	14.5	Banktop height (m)	3.05
Bankbed height (m)		Water depth (m)	—	Bankbed height (m)	

If threshold lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) _____

M: ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
 Footbridges = _____ Roadbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/belt of site ☐

N: EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drudging ☐ moving ☐ Other? State _____
 weed-cutting ☐ enhancement ☐

O: FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (30m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state) _____
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fan <input checked="" type="checkbox"/> Flush <input type="checkbox"/>

P: CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q: NOTABLE NUISANCE PLANT SPECIES: One or more _____ (tick one box for each)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R: BRIEF DESCRIPTION: (Use prompts and key words as appropriate) The Salsburgh

Descriptive sentence: Wide meandering forced river.

Plants of note:

Major conservation features: Associated woodland & Fen area

Major impacts:

Incidental observations (animals etc):

IFE checked ☒ filtered ☒

S: DISEASED TREES (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAKEFIELD, BD18 4BB

Enclosures supplied: 1 Post completed form for permission - label supplied

Envelopes supplied! Post completed films for processing - labels supplied as requested.

DATES. Record	prepared	initiated	checked
1-4-77			

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or A) †

Have you completed your excuses from this week? (send to FXD for signature!)

Envelopes supplied! Post completed for processing - labels supplied as requested

NRA RIVER HABITAT SURVEY 1995 IFE and A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3599

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TG42232 River: COMMISHWICK DRAIN/BANE

Date 22.1.95 Time: 12.45 Surveyor name: J. W. P. H. G. A. K. T. O. M. L. V. N. O. F. I. G. F. A. D.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site map on!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/msh T. J. C. A. N.

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE and A - See notes on page 2

National Rivers Authority

DATES: Record
1-12-95

prepared

validity

date of
check

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) Mark p. w. time of feature (P)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one)

LEFT BANK (looking downstream)

Bank material (one) BE, NO, CO, GLE, PE, CL

Bank modification(s) NO, X, L, P, C, M, L, N

Bank feature(s) NO, NO, EC, SC, P, V, S, V, S

Channel NOTE: Use scale of 1-10

Channel substrate (one) BE, NO, CO, GLE, PE, CL

Flow type (one) FT, CH, SW, UP, CF, AP, UP, SM, NP, ND

Channel modification(s) NO, NO, X, L, P, C, M, L, N

Channel feature(s) NO, NO, X, L, P, C, M, L, N

RIGHT BANK (looking downstream)

Bank material (one) BE, NO, CO, GLE, PE, CL

Bank modification(s) NO, X, L, P, C, M, L, N

Bank feature(s) NO, NO, EC, SC, P, V, S, V, S

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CP, NH, SC, AP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BUI/C

LEFT BANK FACE (structure) BUI/C

RIGHT BANK FACE (structure) BUI/C

RIGHT BANK-TOP (structure within 1m) BUI/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))

NONE (tick) Plant genera (P. w. time)

Liverworts/mosses/lichens: Juncus

Emergent broad-leaved herbs: Potamogeton pectinatus

Emergent reeds/soft-leaved herbs: Phragmites

Floating-leaved (rooted): Carex

Free-floating

Amphibious

Submerged - broad-leaved

Submerged fine-leaved

Filamentous algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F) ↑

PLANTS - Use tick marks of genus & P. w. time, & species if possible eg. Pot. pect. & Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>		Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>		Artificial/modification		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of section from above, after ticking predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WATER	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	NOTES
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	NOTES
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rapid(s) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your survey from this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5.5	RIGHT BANK
Banktop height (m)	0.75		Banktop height (m)
Embanked height (m)			Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

wood-cutting ☐ enhancement ☒ (tick appropriate)

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) (tick)

Braided/side channels ☐ Natural open water ☐ Carr ☐ Marsh ☐ Woodland

Debris dams ☐ Water meadow ☐ Flush ☐

Leafy debris ☐ Fen ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use phrases and tick words as appropriate) (The Sentence(s))

Descriptive sentence: Drainage channel choked with Juncus.

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE 2 chemical samples taken ☒ Filtered ☒

S DISPERSED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied & steps

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3600

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River:

Date: 25.5.1995 Time: 12.10 Surveyor name: HJ

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-4 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide zone)

State: ☐ Material ☐ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
State: <input type="checkbox"/> Material <input type="checkbox"/> = one entry only	CO	EL	BR	BR	EA	ER	ER	EA	ER	ER
Bank modification(s)	NO	NO	RI	NO	RI	RI	NO	RI	RI	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
State: <input type="checkbox"/> Material <input type="checkbox"/> = one entry only	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from FL, CR, SH, SC, SP, VL, CW, NO, TL, SU	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LAND USE WITHIN 5m OF BANKTOP (1)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LEFT BANK TOP (structure within 1m)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LEFT BANK FACE (structure)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
RIGHT BANK FACE (structure)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
RIGHT BANK TOP (structure within 1m)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
LAND USE WITHIN 5m OF BANK TOP (2)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% area) or G (green))										
NONE (tick as appropriate)										
Living/semi-living	E	E	E	E	E	E	E	E	E	E
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering/seed (seed)										
Fire-flowering										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use red 'watchdog' column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

F44013 TL

F44013 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or G (green))

	L	R		L	R
Broadleaved woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (C)			Open water (OW)		
Moorland/heath (MH)			Improved/improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or G (green))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, otherwise predetermined box			Poached		
			Embanked		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	None	Present	ASSOCIATED FEATURES (Tick one box per feature)	None	Present
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfalls - free-fall			Marginal deadwater - slack		
Cascades - close			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapids - whitewater			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Runs - disturbed, rippled			Natural island(s)		
Bolls - swellings			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	9 m	RIGHT BANK
Banktop height (m)	0.5		Banktop height (m)
Embanked height (m)	0.10		Embanked height (m)
Water width (m)	9.10		Water depth (m)
Water depth (m)	0.10		Embanked height (m)

If banklines lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (10% only)

M ARTIFICIAL FEATURES (Use 1-4 to indicate total number, tick "none" where appropriate)

None ☐ Culverts = ☐ Footbridges = ☐ Weirs = ☐ Outfalls = ☐ Piers = ☐

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? Site

wood-working ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Big ☐ Other (state) ☐

Brick/stone channels ☐ Natural open water ☐ Cur ☐

Delta fans ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Pin ☐ Flurb ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NURSANCE PLANT SPECIES (Use 1-4 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other ? Site

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Boulder-strewn, free-fall, mountain stream with steep, rocky banks, winding, turbulent due to rapid on left bank.

Plants of note: mainly grass, some willow, birch, alder, sycamore.

Major conservation features: catchment large, some of the best in the area.

Major impact: some of the best in the area.

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐ State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, BH20 6PB

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TABLE 7EP48628.T1

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TABLE 3.

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 202
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: River: 1: 2: 3: 4: 5: 6: 7: 8: 9: 10:
 Date: 12/15/1995 Time: 13:20 Surveyor name: H.O.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
 Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)
 Duplicate photographs: general character? No ☐ Yes ☒ (pick one box)
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (pick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 3 Unvegetated point bars
 Pools: Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2

Spot check 1 is at upstream end ☐ down stream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = one entry only

LEFT BANK

Mat. 1: 2: 3: 4: 5: 6: 7: 8: 9: 10:
 Bank modification(s):
 Bank feature(s):
CHANNEL
 Channel substrate:
 Flow type:
 Channel modification(s):
 Channel feature(s):
RIGHT BANK
 Mat. 1: 2: 3: 4: 5: 6: 7: 8: 9: 10:
 Bank modification(s):
 Bank feature(s):

F BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from 1L, 1P, 1M, 1N, 1O, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK FACE (structure):
 LEFT BANK FACE (structure):
 RIGHT BANK FACE (structure):
 RIGHT BANK FACE (structure):
 LAND USE WITHIN 5m OF BANK TOP (R):

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (in 25% area) or if present)

NONE (tick as appropriate)
 Liverworts/mosses/lichens
 Emergent broad-leaved herbs
 Emergent reeds/rushes/grasses
 Floating-leaved (free)
 Free-floating
 Amphibious
 Submerged broad-leaved
 Submerged fine-leaved
 Filamentous algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

SITE NO. 1602 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (tick E (in 25% banklength) or if present)

Broadleaved woodland (BL) ☒ Wetland (eg bog, marsh, fen) (W) ☒
 Coniferous plantation (CP) ☐ Open water (OW) ☐
 Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐
 Scrub (SC) ☒ Tilled land (TL) ☐
 Rough pasture (RP) ☒ Suburban/urban development (SU) ☐

I BANK PROFILES (tick E (in 25% banklength) or if present)

Natural/unmodified ☐ Artificial/modified ☐
 Vertical/unmodified ☐ Retained ☐
 Vertical + toe ☐ Reinforced - whole bank ☐
 Steep (> 45°) ☐ Reinforced - top only ☐
 Gentle ☐ Reinforced - toe only ☐
 Composite ☐ Artificial two-stage ☐
 Use this space to draw profile if different from above, after taking predetermined box
 Pooled ☐
 Embanked ☐
 Set-back embankments ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)
 None ☐ Left ☐ Right ☐
 Isolated/scattered ☐
 Regularly spaced, single ☐
 Occasional clumps ☐
 Semi-continuous ☐
 Continuous ☒

ASSOCIATED FEATURES (Tick one box per feature)
 E > 25% ☐ None ☐ Present ☐
 Shading of channel ☐
 Overhanging boughs ☐
 Exposed bankside roots ☐
 Underwater tree roots ☐
 Fallen trees ☐
 Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☐ Marginal deadwater - slack ☐
 Cascade(s) - chute ☐ Exposed bedrock ☐
 Step/pool sequence ☐ Exposed boulders ☐
 Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐
 Riffle-pool sequence ☐ Vegetated mid-channel bars ☐
 Run(s) - disturbed, rippled ☐ Mature island(s) ☐
 Pool(s) - open/stepped ☐ Unvegetated side bars ☐
 Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK ☐ RIGHT BANK ☐
 Banktop height (m) 0.8 Banktop width (m) 7m Banktop height (m) 0.8
 Embankment height (m) 0.10m Embankment height (m) 0.10m
 If bankline lower than banktop bank in slope, indicate height (m) width (m)
 Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement is: riffle ☐ run or glide ☒ other (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =
 Footbridges = Roadbridges =
 Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most/best of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State:
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor)
 Waterfalls > 5m high ☐ Artificial open water ☐ Big ☒ Other (state):
 Braided/rude channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Lanky debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Step channel with extensive exposed bedrock, little bank vegetation, rounded plenty of varying sizes of boulders, some algal growth on rocks.*
 Major conservation features: *woodland, birch, oak, alder + Hawthorn*
 Major impacts: *Only minor + algal in channel + banks.*
 Incidental observations (animals etc): *small fish*

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased tree? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3C03
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River:
Date 31.12.1995 Time: 13:00 Surveyor name:
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (pick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles 1 Unvegetated point bars
Pools Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Stat. = 10m stat. * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. # <u>10.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Bank modification(s) <u> </u>										
Bank feature(s) <u> </u>										
CHANNEL										
Channel substrate # <u> </u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Flow type # <u> </u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Channel modification(s) <u> </u>										
Channel feature(s) <u> </u>										
RIGHT BANK										
Stat. # <u>10.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u> <u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Bank modification(s) <u> </u>										
Bank feature(s) <u> </u>										

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SP, ST, LP, NL, OV, JO, RL, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
LEFT BANK TOP (structure within 2m) #/0/0/0	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
LEFT BANK FACE (structure) #/0/0/0	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
RIGHT BANK FACE (structure) #/0/0/0	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
RIGHT BANK TOP (structure within 2m) #/0/0/0	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
LAND USE WITHIN 5m OF BANK TOP (R)	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry use E (in 33% area) or L (if present))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Upriver/mosses/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs										
Emergent reeds/beds/straw										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'half-half' column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or L if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WJ)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or L if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial/modified		
Vertical/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed - whole bank		
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed - top only		
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
Use this space to draw profile if different from above, after scaling from stream bed			Pointed		
			Embedded		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Canoeable(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Shoal(s) - rapids	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bail(s) - rippling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Bed top width (m)	5-5	RIGHT BANK
Banktop height (m)	<u>0.1</u>		Banktop height (m)
Embankment height (m)			Embankment height (m)
Water depth (m)	<u>0.5</u>		Water depth (m)
Water width (m)	<u>2.5</u>		Water width (m)
Channel width (m)	<u>2.5</u>		Channel width (m)

If instilled lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use [H] indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Obstacles = 0
Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other ?
weed-cutting ☐ reinforcement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Recessed/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Reed
	Other (tick) <u> </u>

P CHANNEL CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use of or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ?

R BRIEF DESCRIPTION (Use prompts and LQ words as appropriate)

Descriptive sentence: Shoal silted up, with some vegetation, but no high water level.
Plants of note: Grass, silt, some vegetation, but no high water level.
Major conservation features: Grass, silt, some vegetation, but no high water level.
Major impacts: Grass, silt, some vegetation, but no high water level.
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees?

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRAH, B1106 GB

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A BACKGROUN MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: 3604			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference:		River: <u>11/11/11</u>	
Date <u>20/5/1995</u> Time: <u>12:30</u>		Surveyor name: <u>LD</u>	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state:			
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (pick one box)			
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (pick one box)			
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)			
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl		
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)			
Riffles <u>5</u>	Unvegetated point bars <u>2</u>		
Pools	Vegetated point bars		
National Rivers Authority			

Spot check 1 list: upstream and ☐ downstream and ☒ of site (Total 100 hrs) E 4/81

G. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)											
Mat. = Material	= one entry only										
	1	2	3	4	5	6	7	8	9	10	
LEFT BANK											
Mat. # 11,12,13,14,15,16,17,18,19,20,21,22,23,24	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank profile (m/s)	NB	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	EC	EC	EC	EC	EC	EC	EC	EC	EC	
CHANNEL											
Channel substrate # 19,20,21,22,23,24,25,26,27,28	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	
Flow type # 17,18,19,20,21,22,23,24,25,26	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK											
Mat. # 11,12,13,14,15,16,17,18,19,20,21,22,23,24	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank profile (m/s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	
F. BANK/OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from PL, CF, OR, TC, LP, WL, OW, JL, RW											
LAND USE WITHIN 5m OF BANKTOP (L)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
LEFT BANK-TOP structure within 1m) P/A/C	S	S	S	S	S	S	S	S	S	S	
LEFT BANK FACE (structure) P/A/C	S	S	S	S	S	S	S	S	S	S	
RIGHT BANK FACE (structure) P/A/C	S	S	S	S	S	S	S	S	S	S	
RIGHT BANK-TOP structure within 1m) P/A/C	S	S	S	S	S	S	S	S	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
G. CHANNEL VEGETATION TYPES (give in relevant boxes with one entry: use E (in 33% area) or d (percent)											
NONE (pick as appropriate)											
Upriver/bottom/ribs											
Emergent broad-leaved herbs	✓	✓	✓								
Emergent reeds/rushes	✓										
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Use end "reach-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or d)

II LAND USE WITHIN 50m of BANKTOP Use E (≥ 33% banklength) or I if present					
	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (Wd)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/best-improved grass (IG)	<input checked="" type="checkbox"/>	
Scrub (SC)	<input checked="" type="checkbox"/>		Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		
I BANK PROFILES Use E (≥ 33% banklength) or I if present					
Natural/unmodified	L	R	Artificial/unmodified	L	R
Vertical/cutbank			Recessed		
Vertical + toe		<input checked="" type="checkbox"/>	Reinforced - whole bank		
Steep (> 45°)		<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle		<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profiles if different from above, other feature predominant here			Peached		
			Embanked		
			Set-back embankment		
J EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
None	Left	Right	E ≥ 33%	None	Present E
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>
K EXTENT OF CHANNEL FEATURES (Tick one box per feature)					
	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Riffle/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reils(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CHANNEL DIMENSIONS to be measured at one place on a straight uniform section, preferably at

LEFT BANK	1.5	Bed top width (m)	19.13	RIGHT BANK
Banktop height (m)	1.7-1.11	Water width (m)	12.5	Banktop height (m)
Embedded bridge (m)		Water depth (m)	0.25	Embedded height (m)

If troughline lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site last consolidated (temporarily) ☐ unconsolidated (recent) ☒ in situ ☐

Location of measurement by: riffle ☒ run or glide ☐ other ☐ pick one box Slope (if B only) _____

21. ARTIFICIAL FEATURES (Use 1-10 indicates total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____
 Footbridges = _____ Roadbridges = _____ Other = _____
 Is water level controlled by wash/dam downstream? No ☒ Part of site ☐ Men's hole of site _____

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐
 weed-cutting ☐ enhance meadow ☐ Other? State _____

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Brick/ditch channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Reef <input type="checkbox"/>
	Cliff <input type="checkbox"/>
	Other (state) _____

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-6)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompts and key words where appropriate)

Descriptive notes: *river margin, thought grass pasture + some trees*
 Plants of note: *miscellaneous herbs, ditch and channel ferns +*
miscellaneous herbs - just above reach
 Major conservation features: *Very high flanked vegetation*
- semi-natural watercourse
 Major impacts: _____
 Incidental observations (animals etc): *Keron.*

DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARHAM, BH20 2BN

NRA RIVER HABITAT SURVEY 1995 Page 3 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3605

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *West Creek*

Date: *22.5.1995* Time: *13.30* Surveyor name: *...*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain (moving with channel in the floodplain)

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles (6) Unvegetated point bars (2)

Pools Vegetated point bars

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material *1* = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NB	NB	NB	NB	NB	NB	NB	NB	NB	NB
Bank feature(s)	NU	EC	NO	SB	SB	SB	SB	SB	SB	SB
CHANNEL										
Channel substrate	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF
Flow type	UN	SM	SM	UN	RP	RP	UN	UN	UN	UN
Channel modification(s)	NO	NB	NB	NB	NB	NB	NB	NB	NB	NB
Channel feature(s)	AG	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. 1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, NR, SC, AP, RL, GW, RL, SL, SP

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 2m)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE (structure)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK-TOP (structure within 2m)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per E (in 33% area) or 4 (percent))

	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Livewort/mosses/lichens										
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Floating-leaved (round)										
Picea/feeling										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 4)

7-40123.76

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NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3605

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or 4 if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	E
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or 4 if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/horizontal			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Grout			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)		ASSOCIATED FEATURES (Tick one box per feature)	
None	Present E	None	Present E
None		Shading of channel	
Isolated/scattered		Overhanging boughs	
Regularly spaced, single		Exposed bankside roots	
Occasional clumps		Underwater tree roots	
Semi-continuous		Fallen trees	
Continuous		Coarse woody debris	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None		Present E		None		Present E	
Waterfall(s) - free-fall				Marginal deadwater - silt			
Cascade(s) - chute				Exposed bedrock			
Step-pool sequence				Exposed boulders			
Rapid(s) - shallowwater				Unvegetated mid-channel bars			
Riffle(s) - point sequence				Vegetated mid-channel bars			
Run(s) - disturbed, rippled				Mature island(s)			
Bed(s) - gravelly				Unvegetated side bars			
Glide(s) - smooth, no eddies				Vegetated side bars			

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	RIGHT BANK	Banktop height (m)
	1.2	7.0	0.7		0.7

End-bank height (m) Water depth (m) Embankment height (m)

If threshold lower than banktop break in slope, indicate height (m) width (m)

Bird material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement at: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (H/E only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = *1* Weirs = *1* Outfalls = *1* Fords = *1*

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? *Silt*

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (specify) *...*

Braided/wide channels ☐ Natural open water ☒ Care ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Loose debris ☐ Fen ☐ Flats ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? *Silt*

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive summary: *Relatively narrow, probably channelised or reinforced in the past, flowing in the lower section (mostly gravel) without a floodplain.*

Major conservation features: *Some channel vegetation on recently new bank exposure.*

Major impacts: *Some channel riffles on previously straightened reach.*

Incidental observations (animals etc): *Dragonfly.*

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees *Silt*

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

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NRA RIVER HABITAT SURVEY 1995 IFB 1-A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? ☒ Navigation? ☒

B. FIELD SURVEY DETAILS

Reference network site number: **3610**

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **S-1-2-3** River: **R. STRING**

Date: **2.5.1995** Time: **13.50** Surveyor name: **79, 74, PM 16 AK 76**

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, note: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: (general character)? No ☐ Yes ☒ (tick one box) **50m 10m**

Site surveyed from: left bank ☒ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ flat valley floor ☐ terraced valley floor

☐ concave ☒ symmetrical floodplain

☐ steps ☐ asymmetrical floodplain

☐ excessive bank ☐ + notes/nh 7 10m 10m

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

IFB 1-A-A - Site survey 1995/1/3

National Rivers Authority

DATES: record ground water table below checks

NRA RIVER HABITAT SURVEY 1995: SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel width)

Spot check 1 is at: upstream end ☐ centre ☒ downstream end ☐

LEFT BANK (tick one box) **RIGHT BANK** (tick one box)

Bank material (fine) **EA CA EA CA EA CA EA CA EA CA**

Bank modification(s) **RS RS RS RS RS RS RS RS RS RS**

Bank features(s) **NO NO NO NO NO NO NO NO NO NO**

Channel, active **NO NO NO NO NO NO NO NO NO NO**

Channel substrate (fine) **SI SI SI SI SI SI SI SI SI SI**

Flow type (fine) **SM SM SM SM SM SM SM SM SM SM**

Channel modification(s) **RS RS RS RS RS RS RS RS RS RS**

Channel features(s) **NO NO NO NO NO NO NO NO NO NO**

Bank material (fine) **EA CA EA CA EA CA EA CA EA CA**

Bank modification(s) **RS RS RS RS RS RS RS RS RS RS**

Bank features(s) **NO NO NO NO NO NO NO NO NO NO**

E. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from TL, CP, HR, SC, RP, VL, GW, NO, TL, TV

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 5m) **RUUS**

LEFT BANK FACE (structure) **RUUS**

RIGHT BANK-TOP (structure within 5m) **RUUS**

RIGHT BANK FACE (structure) **RUUS**

LAND USE WITHIN 5m OF BANKTOP (R)

CHANNEL VEGETATION TYPES (tick in relevant boxes)

NONE (tick) **Plant species (tick one)**

Emergent broad-leaved herbs ☐

Emergent narrow-leaved herbs ☐

Emergent sedge ☐

Emergent grass ☐

Emergent other ☐

Free-floating ☐

Submerged ☐

Submerged sedge ☐

Submerged other ☐

Flowering algae ☐

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use 1st 4 letters of genus & 1st 3 letters of species if possible eg *Potamogeton* *perfoliatus*

Repeat 1

SITE NO. **3610** NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F (if present))

LEFT BANK **RIGHT BANK**

Broadleaf/woodland (BL) ☐ Wetland (eg bog, marsh, fen) (W) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☐ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (≥ 33% banklength) or F (if present))

Natural/unmodified **L R** Artificially modified **L R**

Vertical/undercut **L R** Reinforced **L R**

Vertical + toe **L R** Reinforced - whole bank **L R**

Slope (> 45°) **L R** Reinforced - top only **L R**

Gentle **L R** Reinforced - toe only **L R**

Composite **L R** Artificial re-stages **L R**

Use this space to draw profile of different from above, after clicking ground/bedrock bar

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☐ Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

None ☐ Present ☐ Marginal deadwater - slack ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

Have you completed your squares for this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a right uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Bank top width (m) **7.0** Bank top height (m) **1.0**

Banktop height (m) **1.0** Water width (m) **1.0**

Embanked height (m) **1.0** Water depth (m) **1.0**

Embanked height (m) **1.0** Embankment height (m) **1.0**

If threshold lower than banktop break in slope, indicate height (m) **2.0**

Bed material at site is: consolidated (compact) ☐ unconsolidated ☐ loose ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ eddy ☐ (tick one box) Slope (IFB only) **1.0**

M. ARTIFICIAL FEATURES (Use 1st 4 letters of genus & 1st 3 letters of species if possible)

None ☐ Number of Culverts = **1** Weirs = **0** Outfalls = **0** Ferds = **0**

Footbridges = **1** Roadbridges = **0**

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate)

dredging ☐ mowing ☐ Other? Site **1.0**

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate)

CHANNEL **FLOODPLAIN (50m corridor)**

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) **1.0**

Brick/drain channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE RARE PLANT SPECIES (Use 1st 4 letters of genus & 1st 3 letters of species if possible)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Site **1.0**

R. BRIEF DESCRIPTION (Use prompt and 10 words or appropriate)

Descriptive sentence: **Significant drain function through length.**

Plants of note: **1.0**

Major conservation features: **1.0**

Major impacts: **1.0**

IFB 2 channel only by 10m **1.0**

S. DISEASED ALDER (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased tree ☐ Site **1.0**

SEND COMPLETED FORM TO: HUGH DAWSON, IFB, RIVER LABOUR, 207, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form, & packing & labels supplied at site

NRA RIVER HABITAT SURVEY 1995 Form A-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? ☒ Navigation? ☒ NO

B. FIELD SURVEY DETAILS

Reference network site number: 3611

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SJ 707150 River: STRINE

Date: 2.5.1995 Time: 17.30 Surveyor name: TH. W. PH. 16 AK 70m

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general features ☒ special features ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave bowl ☐ + notes/mph diagram

Other features: Riffles ☐ Unvegetated point bars ☐ Pools ☐ Vegetated point bars ☐

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel)

Spot check 1 is at: upstream end ☐ mid-channel ☒ downstream end ☐

LEFT BANK

Bank material (fine) ☒ BA, BO, CO, GL, LA, PE, CL ☐ EA, EA, G, EA, EA, EA, EA, EA, EA, EA

Bank modification(s) ☒ BA, BO, CO, GL, LA, PE, CL ☐ RS, RS, RS, RS, RS, RS, RS, RS, RS, RS

Bank feature(s) ☒ BA, BO, CO, GL, LA, PE, CL ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel substrate (fine) ☒ BA, BO, CO, GL, LA, PE, CL ☐ SI, SI, SI, SI, SI, SI, SI, SI, SI, SI

Flow type (fine) ☒ BA, BO, CO, GL, LA, PE, CL ☐ SM, SM, SM, SM, SM, SM, SM, SM, SM, SM

Channel modification(s) ☒ BA, BO, CO, GL, LA, PE, CL ☐ RS, RS, RS, RS, RS, RS, RS, RS, RS, RS

Channel feature(s) ☒ BA, BO, CO, GL, LA, PE, CL ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK

Bank material (fine) ☒ BA, BO, CO, GL, LA, PE, CL ☐ EA, EA, G, EA, EA, EA, EA, EA, EA, EA

Bank modification(s) ☒ BA, BO, CO, GL, LA, PE, CL ☐ RS, RS, RS, RS, RS, RS, RS, RS, RS, RS

Bank feature(s) ☒ BA, BO, CO, GL, LA, PE, CL ☐ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide band)

Land use: choose one from BA, CL, CP, HM, SC, RP, PL, OW, NO, TL, LU

LAND USE WITHIN 5m OF BANKTOP (L) ☐ BA, CL, CP, HM, SC, RP, PL, OW, NO, TL, LU

LEFT BANK-TOP (structure within 1m) BAUSC ☐ S, S, S, U, U, U, S, S, S, S

LEFT BANK FACE (structure) BAUSC ☐ S, S, S, U, U, U, S, S, S, S

RIGHT BANK FACE (structure) BAUSC ☐ S, S, S, U, U, U, S, S, S, S

RIGHT BANK-TOP (structure within 1m) BAUSC ☐ U, S, S, S, S, S, U, S, S, S

LAND USE WITHIN 5m OF BANKTOP (R) ☐ S, G, I, G, I, G, I, G, I, G

G. CHANNEL VEGETATION TYPES (fill in table below with appropriate code)

Vegetation type	1	2	3	4	5	6	7	8	9	10
NONE (tick)										
Plant species (tick one)										
Emergent broad-leaved										
Emergent narrow-leaved										
Emergent sedge										
Emergent grass										
Free-floating										
Submerged broad-leaved										
Submerged narrow-leaved										
Submerged sedge										
Submerged grass										
Flowering algae										

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E for 33% banklength or if present)

Land use	L	R	Land use	L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WZ)		
Ceniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/unimproved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E for 33% banklength or if present)

Bank profile	L	R	Bank profile	L	R
Natural/unmodified			Artificially modified		
Vertical/steep			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Step (>45°)			Reinforced - toe only		
Gentle			Artificial toe-steps		
Composite			Reinforced		
Use this space to draw profile of 40m from above, showing predominant toe			Embankment		
			Bank embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

Trees	Left	Right	Associated features	None	Present	Notes
None			Shading of channel			
Isolated/scattered			Overhanging branches			
Regularly spaced, single			Exposed bankside rocks			
Occasional clumps			Underwater tree roots			
Semi-continuous			Fallen trees			
Continuous			Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Channel feature	None	Present	Channel feature	None	Present	Notes
Waterfall(s) - free-fall			Marginal deadwater - slack			
Chute(s) - chute			Exposed bedrock			
Step-pool sequence			Exposed boulders			
Rapids(s) - adductor			Unvegetated mid-channel bars			
Widely sand movement			Widened channel			
Roc(s) - disturbed, rippled			Mature island(s)			
Boil(s) - upwelling			Unvegetated side bars			
Glides(s) - smooth, no eddies			Vegetated side bars			

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a right uniform section, preferably across a riffle)

LEFT BANK: Banktop height (m) 0.50 Banktop width (m) 4.0

RIGHT BANK: Banktop height (m) 0.25 Banktop width (m) 0.60

Banktop height (m) 0.50 Water depth (m) 0.15

Banktop width (m) 7.5 Width (m) 6.50

Bed material at site is: consolidated (compact) ☐ unconsolidated ☒ (choose one)

Location of measurement is: riffle ☐ run or glide ☒ (tick one box)

M. ARTIFICIAL FEATURES (Use 1 to indicate total number, 'none' where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Roadbridges = 1 Outfalls = 1 Feeds = 1

Is water level controlled by weirs/dams downstream? No ☐ Part ☐ Yes ☐ (tick one box)

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate)

dredging ☐ mowing ☐ Other? None

weeding ☐ encroachment ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate)

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None

Fractal/side channels ☐ Natural open water ☐ Cur ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use for E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? None

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Function was altered since construction of bridge on left bank.

Plants of note: _____

Major conservation features: _____

Major impacts: _____

S. DISPERSED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other channel ☐ State None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for forwarding - labels supplied.

Have you completed your response from this week? (and to PWD for signature!)

BACKGROUND INFORMATION

Altitude (m): _____ Slope (m/km): _____ Flow category: _____

Solid geology code: _____ Drift geology code: _____ Platform category: _____

Distance from source (km): _____ Significant tributary: _____ Navigation: _____

FIELD SURVEY DETAILS

Reference network site number: 3616

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: 17050

Date: 11/5/1995 Time: 16:15 Surveyor name: 70

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

NUMBER OF RIFFLES, POOLS AND POINTE BARS (see 1.11, then indicate total number)

Riffles: _____ Unvegetated point bars: _____

Pools: _____ Vegetated point bars: _____

National Rivers Authority

74012 TL

Spot check 1 is at upstream and ☐ downstream and ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material = use entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	LA	SA	EA	EA	EA	EA	EA	EA	EA
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	UP	RP	SM	SM	UP	SM	UP	SM	UP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	LA	SA	EA	EA	EA	EA	EA	EA	EA
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, HH, SC, ST, VL, OV, AG, TL, SW

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LEFT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK-TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LAND USE WITHIN 5m OF BANK TOP (R)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL

CHANNEL VEGETATION TYPES (all in relevant boxes with age range) and E (to 31% area) or F (to 31% area)

NONE (tick as appropriate)

	1	2	3	4	5	6	7	8	9	10
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

74012 TL

STR. NO. 3616

LAND USE WITHIN 10m OF BANKTOP (see 1.11, then indicate total number)

	L	R	L	R
Broadleaf/deciduous woodland (BL)				
Coniferous plantation (CP)				
Moorland/heath (MH)				
Scrub (SC)				
Rough pasture (RP)				
Natural/unmodified				
Vertical/undrained				
Vertical + toe				
Slope (> 45°)				
Gentle				
Composite				
Use this space to draw profile of different from above, show existing predominant bed				

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>
Canoe(s) - above	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - underwater	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>
Rus(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>
Bed(s) - rippled	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED CHANNEL FEATURES (Tick one box per feature)

	None	Present
Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES, Page 1 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5.0m	RIGHT BANK	
Banktop height (m)	1.5		Banktop height (m)	1.5
Banktop width (m)	1.5		Banktop width (m)	1.5
Banktop height (m)	1.5		Banktop height (m)	1.5
Banktop width (m)	1.5		Banktop width (m)	1.5

If banktop lower than banktop break in slope, indicate height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement in: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1% only)

ARTIFICIAL FEATURES (tick 1/11, indicate total number, and 'other' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: _____

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (10m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fox
	Bag
	Cur
	Munk
	Flank

CHOKED CHANNEL (Tick one box)

Is 50% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick one or more)

Giant Hogweed ☐ Himalaya Balsam ☐ Japanese Knotweed ☐ Other? State: _____

BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: *Flowing stream through grassy + copland, many willows, possibly degraded in past but mostly fairly natural, water turbid as due to 10 sec bed but little vegetation at present.*

Major impairment: *very large bank*

Incidental observations (animals etc):

DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRHAM, BH20 6BB

74012 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Plankton category _____

Distance from source(km) _____ Significant tributary ? _____ Navigation ? _____

B. FIELD SURVEY DETAILS

Reference network site number: 3622

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: Uph...

Date: 24.5.1995 Time: 5.05 Surveyor name: RD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (pick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (pick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (pick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles _____ Unvegetated point bars _____

Pools 13 Vegetated point bars _____

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed every channel within a 10m wide zone)

Stat. = Material	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. = Material	CA	SA	PA	SA	PA	CA	CA	CA	CA	CA
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Flow type	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Channel modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Stat. = Material	CA	SA	PA	SA	PA	CA	CA	CA	CA	CA
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use above and from 1L, 1R, 2L, 2R, 3L, 3R, 4L, 4R, 5L, 5R, 6L, 6R, 7L, 7R										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK TOP (structure within 5m)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LEFT BANK FACE (structure)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
RIGHT BANK TOP (structure within 5m)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
RIGHT BANK FACE (structure)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LAND USE WITHIN 5m OF BANK TOP (R)										
G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry, use E in 33% area or E (green))										
NONE (tick as appropriate)										
Upriver/mosses/lichens										
Emergent broad-leaved herbs										
Emergent rush/sedge/reeds										
Flowering-leaved (flooded)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged flowering-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or E)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3623

H. LAND USE WITHIN 50m OF BANKTOP (Use E in 33% banklength) or if present:

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Cauliflowers/plantains (CP)			Open water (OW)		
Moored/haired (MH)			Improved/unimproved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E in 33% banklength) or if present:

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Step (> 45°)			Reinforced - toe only		
Gravel			Artificial two-stage		
Composite					

Use this space to draw profile if different from above, also showing predominant bed

J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-canopied	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Canopied	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present E		None	Present E
Waterfalls - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades - close	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rust(s) - flumed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bank(s) - gravelly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gravel(s) - smooth, no debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	<u>2.50</u>	<u>2.50</u>
Banktop height (m)	<u>0.7</u>	<u>0.7</u>
Banktop length (m)	<u>0.7</u>	<u>0.7</u>
Banktop width (m)	<u>0.7</u>	<u>0.7</u>
Banktop height (m)	<u>0.7</u>	<u>0.7</u>
Banktop length (m)	<u>0.7</u>	<u>0.7</u>

If banktop lower than banktop break in slope, indicate height (m) width (m)

Bed material at site: gravel/sand (temp) ☐ unconsolidated (stone) ☐ unknown ☐

Location of measurement in: riffle ☐ run or glide ☐ other ☒ (pick one box) Slope (1/E only)

M. ARTIFICIAL FEATURES (Use [H] indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/belt of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-control ☐ enrichment ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Bankside channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fish
	Brig
	Cur
	Mush
	Flush

P. CROOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (tick appropriate box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (the prompt and key words as appropriate)

Descriptive statement: Channel is overgrown.

Plants of note: There is a very dry just a series of roots, no flowing water.

Major conservation features: nothing

Major impacts: nothing

Incidental observations (animals etc): nothing

S. DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased tree? State: _____

SEND COMPLETED FORM TO HUGH DANZON, IFE, LIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary ? _____ Navigation ? _____

B. FIELD SURVEY DETAILS:

Reference network site number: 3625

Mid-section grid reference of network site if different from designated location: Am

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: Glen

Date: 18.1.1995 Time: 9.05 am Surveyor name: JH, JW, GH, LA, AK, JCB

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) See below!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave bowl ☐ + notes/other features _____

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles _____ Unvegetated point bars _____

Pools _____ Vegetated point bars _____

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be entered across channel within a 1m wide zone) (Use 1-10 for each attribute)

Attribute	1	2	3	4	5	6	7	8	9	10
Bank material (fine)	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Bank material (coarse)	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Bank material (rock)	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Channel width (m)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel depth (m)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel velocity (m/s)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel sinuosity	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel meandering	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel straightening	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank accretion	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank stability	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank collapse	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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Channel bank reinforcement	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank vegetation	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Channel bank erosion control	10.0	10.0								

DATE	NAME	ADDRESS	PHONE	RELATIONSHIP	REMARKS
1944-12-12	JAMES, Richard	proposed	relatives	relatives	church

PLANTS - Use list 4 letters of genus or Pota = Potamogeton
+ species if possible or Pota part = Potamogeton partimatus

Have you completed your expenses from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS: to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK	
Banktop width (m)	3.6	Banktop width (m)	3.6
Banktop height (m)	0.5	Banktop height (m)	0.6
Embankment height (m)		Embankment height (m)	
Water width (m)		Water width (m)	
Water depth (m)		Water depth (m)	

If trashboard lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (pick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Footbridges = _____ Roundbridges = _____ Other = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ moving ☐ Other? State _____

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input checked="" type="checkbox"/>	Artificial open water <input type="checkbox"/>	Flag <input type="checkbox"/>	Other (state) _____
Brick/drain/chausse <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Car <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Manh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Flax <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES: Use 1 or 2

☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Water back yards home across PC Channel*

Prompt of note: *High water level in the channel*

Major conservation features: *High water level in the channel*

Major impacts: *High water level in the channel*

Incidental observations (animals etc): *High water level in the channel*

IFE ☒ *High water level in the channel* ☒

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3622

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: JL DH 1H CC ML

Date: 11/1995 Time: 11:00 Surveyor name: TR, TN, FH, LG, AK, TR
(with 2nd) GC, ML, HB, FB








Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Essential photographs: general character? No ☐ Yes ☐ (tick one box)
(Essential - return visits required if follows:) with 2nd Site 12, 9, 11
from

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave bowl	<u>+ Notes on the Diagram</u>	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

IFE-10-2 - See 0.102 & 0.103

National Rivers Authority

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS.

Riffles (# of #)	Pools	Unvegetated point bars	Vegetated point bars										
E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark <input type="checkbox"/> or <input type="checkbox"/>) feature (✓)													
Spot check 1 is at: upstream and downstream <input type="checkbox"/> of site (check one)		1	2	3	4	5	6	7	8	9	10	Field Notes	
LEFT BANK looking down stream													
Mat. <input type="checkbox"/> AL, SD, CO, GL, SL, PE, CL, CC, SP, SW, G, R, JR, BW		TA	TA			TA	TA	TA	TA	TA	TA		
Bank modification(s) <input type="checkbox"/> NO, SL, AL, PC, BN, LH		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
Bank feature(s) <input type="checkbox"/> AL, NO, EC, SC, PE, VP, SB, VS		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
CHANNEL NOTE Use <input type="checkbox"/> or <input type="checkbox"/> or <input type="checkbox"/>													
Channel substrate (fine) <input type="checkbox"/> AL, PE, SD, CO, GL, SL, CL, R		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
Flow type (one) <input type="checkbox"/> FL, CH, SW, UV, CL, SD, UP, SH, SP, NO		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
Channel modification(s) <input type="checkbox"/> AL, NO, SL, SC, DA, FD		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
Channel feature(s) <input type="checkbox"/> NO, SD, SL, VS, AL, TE		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
RIGHT BANK looking down stream													
Mat. <input type="checkbox"/> AL, SD, CO, GL, SL, PE, CL, CC, SP, SW, G, R, JR, BW		TA	TA			TA	TA	TA	TA	TA	TA		
Bank modification(s) <input type="checkbox"/> NO, SL, AL, PC, BN, LH		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
Bank feature(s) <input type="checkbox"/> AL, NO, EC, SC, PE, VP, SB, VS		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA		
F. BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)													
Land use: choose one from PL, CP, AML, BC, RP, WE, OW, AG, TL, AU													
LAND USE WITHIN 5m OF BANKTOP (L)													
LEFT BANK-TOP (structure within 1m) <input type="checkbox"/> <input type="checkbox"/>													
LEFT BANK FACE (structure) <input type="checkbox"/> <input type="checkbox"/>													
RIGHT BANK FACE (structure) <input type="checkbox"/> <input type="checkbox"/>													
RIGHT BANK-TOP (structure within 1m) <input type="checkbox"/> <input type="checkbox"/>													
LAND USE WITHIN 5m OF BANK TOP (R)													
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with our energy use E (≥ 33% area) or P (present))													
NOISE (yes) <input type="checkbox"/> Plant grass (fast, med)													
Liverworts													
Moosses/lichens													
Emergent broad-leaved herbs													
Emergent reeds, sedges, bulrushes													
Flowering-leaved (ground)													
Free-floating													
Amphibious													
Schwamm-broad-leaved													
Submerged fls. (leaves)													
Filament, algal													

Use the "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

SEPT 1

SITE NO.	NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP				Page 3 of 4		
II LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or I if present							
	L	R		L	R		
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)				
Coniferous plantation (CP)			Open water (OW)				
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	I		
Scrub (SC)			Tilled land (TL)	E	E		
Rough pasture (RP)			Suburban/urban development (SU)				
I BANK PROFILES Use E ($\geq 33\%$ banklength) or I if present							
Natural/unmodified	L	R	Artificial/modified	L	R		
Vertical undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rearticled				
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank				
Steep (> 45°)	<input checked="" type="checkbox"/>		Reinforced - top only				
Gentle			Reinforced - toe only				
Composite			Artificial two-stage				
Use this space to draw profile & distance from shore, after taking photographs here			Poached				
			Embanked				
			Sei-back embankment				
J EXTENT OF TREES AND ASSOCIATED FEATURES							
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
None	<input checked="" type="checkbox"/> Left	<input checked="" type="checkbox"/> Right	Water	E $\geq 33\%$	None	Present	E
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Exposed backside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K EXTENT OF CHANNEL FEATURES (Tick one box per feature)							
None	Present	E	None	Present	E		
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal duckweed - silted	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rust(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	1.1	RIGHT BANK	
Banktop height (m)	2.75	Water width (m)	1.7	Banktop height (m)	2.25
Embanked height (m)	—	Water depth (m)	1.7	Embanked height (m)	—

If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only) _____

2. ARTIFICIAL FEATURES (Use ☒ to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
Footbridges = _____ Roadbridges = _____ Others = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

breeding ☒ mowing ☐ Other? Site _____
weed-cutting ☐ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

☒ CHANNEL FLOODPLAIN (50m corridor)
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

5. CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☐ YES ☐

6. NOTABLE NUISANCE PLANT SPECIES (Use / or & to tick all that apply)

☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Site _____

7. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Arroyo highly modified channel, bank cut 192 and exposed gravel bars, channel very narrow, running clear*

Plants of note: *Grass, moss, ferns, etc.*

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): *none*

IF 3 channels only, tick ☒ filtered ☐

8. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? Site _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? ☐ Navigation? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 3629

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TF 585136 River: TF 585136

Date: 13/6/1995 Time: 9.45 Surveyor name: TS, TM, PH, LAK, TGM

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Discontinue photographs: general character? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/mk. to indicate

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1 if only indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

Notes: Record _____

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☐ (tick one)

LEFT BANK

Bank modification(s) ☒ NO, SE, AL, PC, AN, EN

Bank features(s) ☒ NO, SE, AL, PC, AN, EN

CHANNEL NOTE

Channel substrate (fine) ☒ NO, SE, AL, PC, AN, EN

Flow type (fine) ☒ NO, SE, AL, PC, AN, EN

Channel modification(s) ☒ NO, SE, AL, PC, AN, EN

Channel features(s) ☒ NO, SE, AL, PC, AN, EN

RIGHT BANK

Bank modification(s) ☒ NO, SE, AL, PC, AN, EN

Bank features(s) ☒ NO, SE, AL, PC, AN, EN

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK FACE (structure within 1m)

RIGHT BANK FACE (structure within 1m)

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (tick one box only)

NONE (tick one box)

Emergent broad-leaved herbs ☒

Emergent reeds ☒

Emergent sedges ☒

Free-floating ☒

Amphibious ☒

Submerged - broad-leaved ☒

Submerged - fine-leaved ☒

Flowering algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% banklength) or V (if present))

LEFT BANK

RIGHT BANK

LAND BANK PROFILES (Use E (2-33% banklength) or V (if present))

LEFT BANK

RIGHT BANK

EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES

ASSOCIATED FEATURES

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

WATERFALLS

POOLS

POINT BARS

CHANNEL FEATURES

Have you completed your enquiries from this week? (Send to FWD for signature!)

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

RIGHT BANK

ARTIFICIAL FEATURES (Use 1 if present, tick 'none' where appropriate)

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL

FLOODPLAIN

CHOICED CHANNEL (Tick one box)

NOTABLE NUISANCE PLANT SPECIES (Use 1 if present, tick 'none' where appropriate)

BRIEF DESCRIPTION (Use prompts and key words at appropriate)

INCIDENTAL OBSERVATIONS (animals etc)

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKEHAM, BN25 5BB

NRA RIVER HABITAT SURVEY 1995 IFE and A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? ☐ Navigation? ☐

B FIELD SURVEY DETAILS

Reference network site number: 3630

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML

Grid Reference: 7F56174 River: METHEUN ST

Date: 11/1/95 Time: 11:41 Surveyor name: GC MLV NO 16 AK 70W

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Disturbance photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + NOTES/extra diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

National Rivers Authority

DATES: Record prepared validated details checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 1 Pools _____ Unvegetated point bars _____ Vegetated point bars _____

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end of site (tick one box) 1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL NOTE: Use scale from 1 to 10 (tick one box)

Channel substrate (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Flow type (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK (looking upstream) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, SH, SC, SP, SZ, OW, TG, TL, TV

LAND USE WITHIN 5m OF BANKTOP (L) SC SC SC SC SC SC SC SC SC SC

LEFT BANK-TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC

LEFT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC

RIGHT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC

RIGHT BANK-TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC

LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC SC

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (present))

NONE (tick) Plant genera (P, S, M, L, N, O, T, V, W, X, Y, Z)

Liverworts/mosses/lichens ☐ Emergent broad-leaved herbs ☒ Emergent narrow-leaved herbs ☒ Floating-leaved (free) ☒ Free-floating ☒ Amphibious ☒ Submerged - broad-leaved ☒ Submerged fine-leaved ☒ Filament, algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use tick in boxes of genera → P, S, M, L, N, O, T, V, W, X, Y, Z + species if possible eg. P. perfoliatus, S. perfoliatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or P if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES Use E (≥ 33% banklength) or P if present

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Geotextiles			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of different bank shapes, other not in pre-defined box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☒ VITES

Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

None ☐ Present ☐ E ☐ P ☐ NOTES

Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	P	NOTES
Waterfall(s) - free-fall					
Cascade(s) - chute					
Step/pool sequence					
Rapid(s) - whitewater					
Riffle-pool sequence					
Ron(s) - disturbed, rippled					
Boil(s) - upwellings					
Slide(s) - smooth, no eddies					
Marginal deadwater - slack					
Exposed bedrock					
Exposed boulders					
Unvegetated mid-channel bars					
Vegetated mid-channel bars					
Mature island(s)					
Unvegetated side bars					
Vegetated side bars					

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK _____ Banktop width (m) 6.1 RIGHT BANK _____

Banktop height (m) 1.5 Water width (m) 4.1 Banktop height (m) 1.5

Embanked height (m) 0.5 Water depth (m) 1.7 Embanked height (m) 0.5

If threshold lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1:10 only) _____

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

die-dredging ☐ mowing ☐ Other? ☒ State WATER EXTRACTED

weir-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: THIS IS A RESECTIONED CHANNEL WITH WATER EXTRACTED AT 2 SITES (SEE 500M). ON PLANTS OF NOTE: THE LEFT SIDE THERE WAS AN APPARENT DITCH (15m wide) WHICH WAS VERY RICH IN PLANT SPECIES. THE SUMMERY AREA WAS FOR AQUACULTURE.

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): at least 12 species. The summery area was used for aquaculture.

IFE channel sample taken & filtered ☒

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied at site

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3631

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TET06111 River: NHR

Date: 1.5.1995 Time: 3.35 Surveyor name: D1 + J2

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + NOTES / EXTRA DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles ☒ Unvegetated point bars ☒

Pools ☒ Vegetated point bars ☒

National Rivers Authority

4470 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream ☐ downstream ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10	CARRY ALL
LEFT BANK											
Mat. #	SA	SA	SA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel substrate	N	N	SA	N	N	N	N	N	N	N	
Flow type	S	S	S	S	S	S	S	S	S	S	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK											
Mat. #	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
F BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from BL, CP, MH, SC, RP, WL, OW, IL, TL, SU											
LAND USE WITHIN 5m OF BANKTOP (L)											
LEFT BANK-TOP (structure within 2m) BAUSC											
LEFT BANK FACE (structure) BAUSC											
RIGHT BANK FACE (structure) BAUSC											
RIGHT BANK-TOP (structure within 2m) BAUSC											
LAND USE WITHIN 5m OF BANK TOP (R)											
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or V (present))											
NONE (tick as appropriate)											
Liverworts/mosses/lichens											
Emergent broad-leaved herbs											
Emergent reeds/sedges/rubus											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

4470 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or V (present))

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Arable (SC)	E		Tilled land (TL)		
High pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or V (present))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)	E	E	Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of a bank from above, after using predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
Left	Right	notes	E ≥ 33%	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	notes
Waterfall(s) - freefall			Marginal dead-water - silt			
Cascade(s) - chute			Exposed bedrock			
Step/pool sequence			Exposed boulders			
Rapid(s) - whitewater			Unvegetated mid-channel bars			
Giffle-pool sequence			Vegetated mid-channel bars			
Run(s) - disturbed, rippled			Marine island(s)			
Islands - upwelling			Unvegetated side bars			
Flats(s) - smooth, no eddies			Vegetated side bars			

4470 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Banktop width (m)	8.75	Banktop height (m)	0
Banktop height (m)	0	Water width (m)	6.75
Embankment height (m)	1.75	Water depth (m)	?
		Embankment height (m)	1m

If bankline lower than banktop break in slope, indicate: height (m) — width (m) —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFB only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Footbridges = Outfalls = Ponds =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☒

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: ☐

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	
Waterfalls > 5m high	Artificial open water	Bog
Bruid/side channels	Natural open water	Curr
Debris dams	Water meadow	Marsh
Leafy debris	Fen	Flash

P CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick 'none' where appropriate)

X Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (THE LENGTH OF THE DESCRIPTION SHOULD BE 100-200 WORDS)

Descriptive sentence: The channel is a small, fast-flowing stream with a rocky bed and steep banks. It is surrounded by dense woodland and has a high water level. The water is clear and the flow is rapid. There are no significant features or structures in the channel.

Plants of note: ☐

Major conservation features: ☐

Major impacts: ☐

Incidental observations (animals etc): ☐

FE CHEMICAL SAMPLES TAKEN ☒ ENTERED ☐

DISPERSED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (specify) State: ☐

END COMPLETED FORM TO HUGH DAWSON, IFR, RIVER LABORATORY, EAST STONE, WARRHAM, BH20 6BB

4470 TL

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3632

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TF 894177 River: N.R.

Date: 13.5.1995 Time: 17:44 Surveyor name: DK + JK

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + NOTES / EXTRA DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles 9 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (use E or F)

Mat. = Material ☐ = one entry only

	1	2	3	4	5	6	7	8	9	10	CATCH ALL
LEFT BANK	EA	TA	EA	EA	EA	EA	EA	CC	EA	EA	
Bank modification(s)	PC	PC	PC	PC	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL	SI	GP	EA	SI	GP	EA	GP	EA	GP	EA	
Channel substrate	SM	RP	SM	NP	NP	SM	SM	NP	SM	NP	
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK	EA	TA	EA	EA	EA	EA	EA	CC	EA	EA	
Bank modification(s)	PC	PC	PC	PC	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, HM, SC, RP, WL, GW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	XS	S	S	S	U	C	B	B	C	C
RIGHT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (≥ 33% area) or F (present))

VEGETATION TYPE	1	2	3	4	5	6	7	8	9	10
NONE (tick as appropriate)										
Liverworts/mosses/tidians										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

Site No. 3632

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F (present))

	L	R		L	R
Tree/shrub woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Woodland/heath (HH)			Improved/semi-improved grass (IG)		
Grass (GC)			Tilled land (TL)		
Tough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F (present))

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Trap (> 45°)			Reinforced - top only		
Scallops			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	EXTENT
None			
Isolated/scattered			
Regularly spaced, single			
Occasional clumps			
Semi-continuous			
Continuous			

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	EXTENT
Shading of channel			
Overhanging boughs			
Exposed bankside roots			
Underwater tree roots			
Fallen trees			
Coarse woody debris			

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	EXTENT
Waterfall(s) - free-fall			
Cascade(s) - chute			
Step/pool sequence			
Rapid(s) - whitewater			
Giffle-pool sequence			
Two(s) - disturbed, rippled			
Two(s) - upwellings			
Side(s) - smooth, no eddies			
Marginal deadwater - slack			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Mature island(s)			
Unvegetated side bars			
Vegetated side bars			

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	1.50	RIGHT BANK
Banktop height (m)	0.2	Water width (m)	1.30
Embanked height (m)		Water depth (m)	0.25
		Embanked height (m)	
		If trapezoidal lower than banktop break in slope, indicate: height (m) width (m)	

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1FE only)

M ARTIFICIAL FEATURES (Use 1H then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 3 Fords = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mont/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NURSANCE PLANT SPECIES (Use 1H then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) THE SENTENCE(S)

Descriptive sentence: THIS STREAM FLOWS BETWEEN LAND GRAZED BY CATTLE. THE

Notes of notes: BANKS SHOW EXTENSIVE ROOTING SYSTEMS & COMPOSITE BANKS

Major conservation features: THE UPTHEAM END OF THE SITE HAS EXTENSIVE SHALLOWS AND A BROAD-LEAVED WOODLAND ON THE LEFT

Major impacts: THE FIELD ON THE LEFT SIDE SHOWED

Incidental observations (animals etc): WATER LOGGING

FE CHEMICALS (SAMPLES TAKEN) ☒ FILTERED ☒

DISPERSED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (state) State

END COMPLETED FORM TO HUGH DAWSON, IFR, RIVER LABORATORY, EAST STOKK, WAREHAM, BH20 6BB

DATES. Record	prepared	initiated	date/loc checked
1-24-76			

PLANTS - Use 1st 4 letters of genus eg Pota & Potamogeton
+ species if possible eg Pota pect & Potamogeton pectinatus

Have you completed your excuses for this week? (send to FHD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied + return

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3676

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 254 hq River: BURIE

Date: 5/1/1995 Time: 16:45 Surveyor name: T.B. T.M. P.H. I.A.K. T.B.W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Essential photographs: general character? No ☒ Yes ☐ (tick one box) S.W. N.G. m.!

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/with diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles 0 Unvegetated point bars

Pools 0 Vegetated point bars

IFE - mod - see river 1995/1/1

National Rivers Authority

DATES: heard planned validated detailed

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box per feature)

Spot check 1 is at: upstream and downstream ☐ or ☒ (tick one)

LEFT BANK (looking downstream)

Mat: BE, RD, CO, GL, LE, PE, CL, CC, SP, ST, GA, JR, AR, BW

Bank modification(s) ☒ NO, RD, LE, PC, AN, EN

Bank feature(s) ☒ NR, NO, EC, SC, PR, VP, SR, VS

CHANNEL NOTE Use 1/10 then indicate total number

Channel substrate (one) NY, BE, RD, CO, GP, SL, LE, CL, AR

Flow type (one) FT, CH, BW, UV, CF, SF, VP, SH, NP, NO

Channel modification(s) ☒ NR, NO, X, N, D, A, F, O

Channel feature(s) ☒ NO, RD, NP, TR, M, J, R

RIGHT BANK (looking upstream)

Mat: BE, RD, CO, GL, LE, PE, CL, CC, SP, ST, GA, JR, AR, BW

Bank modification(s) ☒ NO, RD, LE, PC, AN, EN

Bank feature(s) ☒ NR, NO, EC, SC, PR, VP, SR, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, AR, SC, AP, VL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BU/SC

LEFT BANK FACE (structure) BU/SC

RIGHT BANK FACE (structure) BU/SC

RIGHT BANK-TOP (structure within 1m) BU/SC

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one survey use E (≥ 33% area) or / (present))

NONE (tick) Plant genera (tick one)

Live/woody: bushes/shrubs: NO

Emergent broad-leaved herbs

Emergent reedy sedges/forbs

Flowering-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved algae

Filamentous algae

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1/10 then indicate total number of genera + species if possible of Plant part + Potamogeton percentage

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I. BANK PROFILES (Use E (≥ 33% banklength) or / if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (>45°)

Gentle

Composite

Artificial/modified

Resectioned

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Embanked

Set-back embankments

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None

Isolated/scattered

Regularly spaced, single

Occasional clumps

Semi-continuous

Continuous

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel

Overhanging boughs

Exposed bankside roots

Underwater tree roots

Fallen trees

Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall

Canal(s) - chute

Step/pool sequence

Rapid(s) - whitewater

Riffle-pool sequence

Rue(s) - disturbed, rippled

Boil(s) - upwellings

Glide(s) - smooth, no eddies

Marginal deadwater - slack

Exposed bedrock

Exposed boulders

Unvegetated mid-channel bars

Vegetated mid-channel bars

Mature island(s)

Unvegetated side bars

Vegetated side bars

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 33m

Banktop height (m) 0.1

Water depth (m) 0.1

Embanked height (m) 0.1

RIGHT BANK

Banktop width (m) 33m

Banktop height (m) 0.1

Water depth (m) 0.1

Embanked height (m) 0.1

If trashed line lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (FFE 0/10)

M. ARTIFICIAL FEATURES (Use 1/10 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Other = Fords =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high

Braided/side channels

Debris dams

Leafy debris

FLOODPLAIN (50m corridor)

Artificial open water

Natural open water

Water meadow

Fen

Bog

Carr

Marsh

Flush

Other (state)

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/10 then indicate total number, tick "none" where appropriate)

Giant Hogweed

Himalayan Balsam

Japanese Knotweed

Other? State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: A LARGE RIVER USED BY RECREATION, DEEP CHANNELS WITH VERY LITTLE VEGETATION.

Plants of note: WE WERE BITTEN TO DEATH BY MOSQUITOES

Major conservation features: POND ON RIGHT WAS OVER GROWN WITH GIGANTOP

Major impacts: GREBE

Incidental observations (animals etc): GREBE

IFE 3 channel survey by Peter D. Fildes

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995 IFE, P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B FIELD SURVEY DETAILS

Reference network site number: 3637

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T6316158 River: DRY IH CC ML

Date: 12/1/1995 Time: 10:50 Surveyor name: G.C. MLY HO NG FWD

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with S.W. on!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other UACAN

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE - (M) - See over page 2

National Rivers Authority

DATES: record 12/1/95 present 12/1/95 unlikely 12/1/95 definite 12/1/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) Mark position of feature (e)

Spot check 1 is at: upstream end ☐ of site ☐ (tick one)

LEFT BANK: (tick one) downstream

Mat. BE, SO, CO, GL, EA, FE, CL, CC, SP, WP, CA, RA, RW

Bank modification(s) ☐ NO, AL, RL, PC, BM, EN

Bank feature(s) ☐ NO, MO, EC, JC, PS, VP, SP, VS

Channel substrate (one) W, BE, SO, CO, GL, EA, FE, CL, CC, SP, WP, CA, RA, RW

Flow type (one) FF, CL, BW, SW, CF, SP, VP, SP, VS, NO

Channel modification(s) ☐ NO, MO, EC, JC, PS, VP, SP, VS

Channel feature(s) ☐ NO, MO, EC, JC, PS, VP, SP, VS

RIGHT BANK: (tick one) downstream

Mat. BE, SO, CO, GL, EA, FE, CL, CC, SP, WP, CA, RA, RW

Bank modification(s) ☐ NO, AL, RL, PC, BM, EN

Bank feature(s) ☐ NO, MO, EC, JC, PS, VP, SP, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, IOH, SC, RP, PL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) CL, PL, CL, CL, CL, CL, CL, CL, CL, CL

LEFT BANK-TOP (structure within 1m) BL, SC

LEFT BANK FACE (structure) BL, SC

RIGHT BANK FACE (structure) BL, SC

RIGHT BANK-TOP (structure within 1m) BL, SC

LAND USE WITHIN 5m OF BANK TOP (R) CL, PL, CL, CL, CL, CL, CL, CL, CL, CL

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per box (a 33% area) or (v) present)

NONE (tick) ☒ Plant genera (tick one) Plant

Liverwort ☐ Mosses/lichens ☐ Plant

Emergent broad-leaved herbs ☐ Plant

Emergent reeds ☐ Plant

Floating-leaved (rooted) ☐ Plant

Free-floating ☐ Plant

Amphibious ☐ Plant

Submerged broad-leaved ☐ Plant

Submerged fine-leaved ☐ Plant

Filament, algae ☐ Plant

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or v)

PLANTS - Use tick-bolts of genus of plants + species of possible of plants + plants + plants

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP Use E (a 33% banklength) or v if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<u>E</u>	<u>E</u>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)	<u>E</u>	<u>E</u>
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)		<u>✓</u>	Tilted land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES: Use E (a 33% banklength) or v if present

	L	R		L	R
Natural/unmodified	<u>✓</u>	<u>✓</u>	Artificial/modified		
Vertical/undercut	<u>✓</u>	<u>✓</u>	Reinforced - whole bank	<u>✓</u>	<u>✓</u>
Vertical + toe	<u>✓</u>	<u>✓</u>	Reinforced - top only		
Steep (> 45°)	<u>✓</u>	<u>✓</u>	Reinforced - toe only		
Gentle	<u>✓</u>	<u>✓</u>	Artificial two-stage		
Composite			Peached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after ticking predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	E ≥ 33%	None	Present E	NOTES
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	NOTES
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Roo(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Major island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<u>3.5</u>	RIGHT BANK	
Banktop height (m)	<u>0.06</u>		Banktop height (m)	<u>0.06</u>
Embanked height (m)	<u>NK</u>		Embanked height (m)	<u>NK</u>

If bankline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 1/2 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State _____

weed-cutting ☐ enhancement ☐ Other? State _____

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☒ Carr ☒

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use v or E, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State NETTLE

R BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentences: Large irregular channel with extensive natural open water. Breeding woodland extensively flooded. Many Carr on both sides. Large trees both. With no open water and channel for mowing. No channel. Swathes was mostly not visible but there was a sandy shelf on the right bank.

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

IFE channel only taken ☒ Filtered ☐

S DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased tract? State _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 638

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 7L 2H 1H CC mL River: 7B, 7N, 7H, 1A, 7K, 7LW

Date: 11/1/1995 Time: 10:00 Surveyor name: G.C. M.L.V. H.P. N.G. F.W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with site notes!

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave bowl ☐ + notes/extra diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - 1995 - 500m SWEEP-UP

National Rivers Authority

Notes, Record, named, mid-late, details, checks

Repeat 1

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2 33% banklength) or F if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (2 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificially modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after writing predominant box			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	Notes	None	Present	Notes
None						
Isolated/scattered						
Regularly spaced, single						
Occasional clumps						
Semi-continuous						
Continuous						

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	Notes
Shading of channel			
Overhanging boughs			
Exposed bankside roots			
Underwater tree roots			
Fallen trees			
Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfall(s) - free-fall			
Cascade(s) - chute			
Step/pool sequences			
Rapid(s) - sub-water			
Riffle-pool sequences			
Runs(s) - disturbed, rippled			
Boil(s) - upwellings			
Glide(s) - smooth, no eddies			
Marginal deadwater - slack			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Mature island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) (Mark as present or absent)

Spot check 1 is at upstream end of site

	1	2	3	4	5	6	7	8	9	10	Total
Left Bank											
Right Bank											
Channel											
Channel substrate (one)											
Flow type (one)											
Channel modification(s)											
Channel feature(s)											
Right Bank											
Bank modification(s)											
Bank feature(s)											

B. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)

Land use: choose one from BL, CP, MH, SC, RP, SU, W, OW, TL, W

	1	2	3	4	5	6	7	8	9	10	Total
Land use within 5m of banktop (L)											
Left Bank-top (structure within 1m)											
Left Bank face (structure)											
Right Bank face (structure)											
Right Bank-top (structure within 1m)											
Land use within 5m of bank top (R)											

C. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (2 33% area) or F (present))

	1	2	3	4	5	6	7	8	9	10	Total
NONE (tick)											
Emergent broad-leaved herbs											
Emergent reeds/scrub											
Flowering-leaved (woody)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Flowering algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick boxes of types of plants/vegetation + species if possible of both left & right bank

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)		
Water width (m)		
Banktop height (m)		
Water depth (m)		
Embankment height (m)		

If banktop lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE 400)

M. ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Culverts = ☐ Weirs = ☐ Roadbridges = ☐ Outfalls = ☐ Fords = ☐

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State: ☐

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐

Braided/side channels ☐ Natural open water ☐ Cuts ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fens ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E (2 33% area) or F (present))

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R. BRIEF DESCRIPTION (Use prompts and leg words as appropriate)

Plants of note: ☐

Major conservation features: ☐

Major impacts: ☐

Incidental observations (animals etc): ☐

IFE 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

S. DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B10 6BB

Envelope supplied! Post completed form for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 3639

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *Pen Dargan*

Date: *25.11.1995* Time: *13:55* Surveyor name: *10*

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☒ concave/bowl

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles *5 low ridges on bed 20m* Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P49428 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☐ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

1st. = Material 2nd. = one entry only

LEFT BANK

Mat. *EL, FO, CO, GL, A, FE, CL, CC, SP, SW, GA, FR, RA, W*

Bank modification(s) *NO, RS, RP, C, B, U, M*

Bank feature(s) *NE, NO, FC, SC, FR, SP, IR, V*

CHANNEL

Channel substrate *NY, FE, FO, CO, GL, A, FE, CL, CC, SP, SW, GA, FR, RA, W*

Flow type *FE, CH, B, U, M, CC, SP, SW, GA, FR, RA, W*

Channel modification(s) *NO, RS, RP, C, B, U, M*

Channel feature(s) *NO, RS, RP, C, B, U, M*

RIGHT BANK

Mat. *EL, FO, CO, GL, A, FE, CL, CC, SP, SW, GA, FR, RA, W*

Bank modification(s) *NO, RS, RP, C, B, U, M*

Bank feature(s) *NE, NO, FC, SC, FR, SP, IR, V*

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from EL, CL, SP, SW, GA, FR, RA, W, NO, RS, RP, C, B, U, M

LAND USE WITHIN 5m OF BANKTOP (L) *EL, CL, SP, SW, GA, FR, RA, W*

LEFT BANK-TOP (structure within 1m) *EL, CL, SP, SW, GA, FR, RA, W*

LEFT BANK FACE (structure) *EL, CL, SP, SW, GA, FR, RA, W*

RIGHT BANK FACE (structure) *EL, CL, SP, SW, GA, FR, RA, W*

RIGHT BANK-TOP (structure within 1m) *EL, CL, SP, SW, GA, FR, RA, W*

LAND USE WITHIN 5m OF BANK TOP (R) *EL, CL, SP, SW, GA, FR, RA, W*

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or F (present))

NONE (tick as appropriate)

Liverworts/mosses/lichens ☒

Emergent broad-leaved herbs ☒

Emergent reeds/sedges/rushes ☒

Floating-leaved (rooted) ☒

Free-floating ☒

Amphibious ☒

Submerged broad-leaved ☒

Submerged fine-linear-leaved ☒

Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

P49428 TL

SITE NO. 3639 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

L. BANK PROFILES (Use E (in 33% banklength) or F if present)

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E ☐ F ☐

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐

Cascades(s) - chute ☐

Step/pool sequence ☐

Rapid(s) - whitewater ☐

Riffle-pool sequence ☐

Run(s) - disturbed, rippled ☐

Boil(s) - upwellings ☐

Slide(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

P49428 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

L. BANK

Banktop width (m) *13.0*

Banktop height (m) *1.1*

Banktop height (m) *1.5*

Banktop height (m) *1.5*

R. RIGHT BANK

Banktop width (m) *13.0*

Banktop height (m) *1.1*

Banktop height (m) *1.5*

Banktop height (m) *1.5*

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State:

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Braided/side channels ☐

Debris dams ☐

Leafy debris ☐

FLOODPLAIN (50m corridor)

Artificial open water ☐

Natural open water ☐

Water meadow ☐

Fen ☐

Big ☐ Carr ☐ Marsh ☐ Other (state):

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: *Shallow - mostly straight reach reinforced by embankments within 10m of banks. No side bars, several riffles along reach with low, coarse silt and across whole reach - possibly a feature of channelled flow. Sediment is playing stone pebbles*

Plants of note: *None*

Major conservation features: *None*

Major impacts: *None*

Incidental observations (animals etc):

S. DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased taxa? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

P49428 TL

DATES. Record 125 framed vitalized duplicate checked

PLANTS - Use 1st 4 letters of Genus → Pota & Potarogaton
+ species if possible → Pota sect & Potarogaton sect

Have you completed your expenses form this week? (send to FNB for signature!)

Envelopes supplied! Post completed films for processing - labels supplied + stamps

NRA RIVER HABITAT SURVEY 1995: TERN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? ☒ Navigation? ☒ NO

B. FIELD SURVEY DETAILS

Reference network site number: 3641

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 54871029 River: TWYTH

Date: 7.5.1995 Time: 1630 Surveyor name: 7B, 7W (PH) 16 AK 7B

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) 50m 1/4 m!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes on the diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 6 Unvegetated point bars _____

Pools 2 Vegetated point bars _____

IFE - 100 - 500 = 100 (1.7)

National Rivers Authority

Notes: head 12.5 framed visited details

NRA RIVER HABITAT SURVEY 1995: TERN SPOT CHECKS Page 2 of 4

Riffles ☒ **Pools** ☒ **Unvegetated point bars** ☐ **Vegetated point bars** ☐

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is in the upstream end of site ☐ (tick one box)

LEFT BANK low lying, down stream

Bank material (fine) FE, SO, CO, CL, SL, FL, CL ☒ NO, AL, FC, SL, FL, SL ☐

Bank material (coarse) NO, AL, FC, SL, FL, SL ☐ FE, SO, CO, CL, SL, FL, CL ☒

Bank features (fine) NO, AL, FC, SL, FL, SL ☐ FE, SO, CO, CL, SL, FL, CL ☒

Channel note: Use the same as for the left bank

Channel substrate (fine) FE, SO, CO, CL, SL, FL, CL ☒ NO, AL, FC, SL, FL, SL ☐

Flow type (fine) FE, SO, CO, CL, SL, FL, CL ☒ NO, AL, FC, SL, FL, SL ☐

Channel modification (fine) FE, SO, CO, CL, SL, FL, CL ☒ NO, AL, FC, SL, FL, SL ☐

Channel features (fine) FE, SO, CO, CL, SL, FL, CL ☒ NO, AL, FC, SL, FL, SL ☐

RIGHT BANK low lying, down stream

Bank material (fine) FE, SO, CO, CL, SL, FL, CL ☒ NO, AL, FC, SL, FL, SL ☐

Bank material (coarse) NO, AL, FC, SL, FL, SL ☐ FE, SO, CO, CL, SL, FL, CL ☒

Bank features (fine) NO, AL, FC, SL, FL, SL ☐ FE, SO, CO, CL, SL, FL, CL ☒

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SP, SC, RP, SL, OW, IS, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) 16 16 16 16 16 16 16 16 16 16

LEFT BANK TOP (structure within 1m) BL, CP, SP, SC, RP, SL, OW, IS, TL, SU

LEFT BANK FACE (structure) BL, CP, SP, SC, RP, SL, OW, IS, TL, SU

RIGHT BANK FACE (structure) BL, CP, SP, SC, RP, SL, OW, IS, TL, SU

RIGHT BANK TOP (structure within 1m) BL, CP, SP, SC, RP, SL, OW, IS, TL, SU

LAND USE WITHIN 5m OF BANK TOP (R) BL, CP, SP, SC, RP, SL, OW, IS, TL, SU

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry, use E (to 33% area) or J (percent))

NONE (tick) ☒ Plant genera (tick one) ☒

Liverwort ☐ ☒

Emergent broad-leaved herbs ☐ ☒

Emergent reedy submersives ☐ ☒

Flowering-leaved (perennial) ☐ ☒

Free-floating ☐

Amphibious ☐

Submerged broad-leaved ☐

Submerged fine-leaved ☐

Flowering algae ☐

Use the "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use tick boxes of genera of plants, ferns, algae + species if possible of plants, ferns, algae

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or J (percent))

	L	R		L	R
Broadleaf/woodland (BL)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

I. BANK PROFILES (Use E (to 33% banklength) or J (percent))

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>		Artificial/unmodified		
Vertical/unreinforced	<input checked="" type="checkbox"/>		Reinforced - whole bank	<input checked="" type="checkbox"/>	
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - toe only	<input checked="" type="checkbox"/>	
Steep (> 45°)	<input checked="" type="checkbox"/>		Reinforced - toe only	<input checked="" type="checkbox"/>	
Gentle	<input checked="" type="checkbox"/>		Artificial two-stage	<input checked="" type="checkbox"/>	
Composite	<input checked="" type="checkbox"/>		Reinforced	<input checked="" type="checkbox"/>	
Use this space to draw profile if different from above, also stating predominant bank					

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None	<input checked="" type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfalls (free-fall)	<input checked="" type="checkbox"/>		
Cascades (chute)	<input type="checkbox"/>	<input type="checkbox"/>	
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid (whirlwater)	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>		
Rough (disrupted, rippled)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil (upwellings)	<input type="checkbox"/>	<input type="checkbox"/>	
Glide (smooth, no eddies)	<input checked="" type="checkbox"/>		
Marginal dead-water - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Marshy island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your squares from this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>4.0</u>	Banktop height (m)
Banktop width (m)	<u>16.25</u>	Banktop width (m)
Banktop height (m)	<u>8.25</u>	Banktop height (m)
Banktop width (m)	<u>0.35</u>	Banktop width (m)
Banktop height (m)	<u>13.25</u>	Banktop height (m)

If bankline lower than banktop break in slope, indicate: height (m) 2.25 width (m) 13.25

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 3.5%

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☐ Other ☐ (tick one box)

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☐ Curr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKE CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompt and tick words as appropriate)

Descriptive sentence: Bed not near with high bank only of debris

Plants of note: _____

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

IFE 2 channel only by 10m P. 10m

S. DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased tract? State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding. Labels supplied on request.

NRA RIVER HABITAT SURVEY 1995: IFB M.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3643

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 53035011 River: KHW

Date (D/M/Y) 12/5/1995 Time: 12.25 Surveyor name: G.C. M.A.V. H.D. N.G. F.W.D.

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Digital photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other features

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 12 Unvegetated point bars

Pools 8 Vegetated point bars

IFE - Ind. - See over 1000 (1)

National Rivers Authority

DATES: Record 12.5 framed initial date

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles (1-10) Pools (1-10) Unvegetated point bars (1-10) Vegetated point bars (1-10)

E PHYSICAL ATTRIBUTES (to be assessed across channel width a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one box)

LEFT BANK (tick one box)

Bank material (fine) EA CO LO GO EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO

Bank features(s) PB SB EC NO NO NO NO NO NO

CHANNEL NOTE Use, scale, etc. of notes

Channel substrate (fine) CO CO CO CO CO CO CO CO CO

Flow type (fine) RP RP RP RP RP RP RP RP RP

Channel modification(s) NO NO NO NO NO NO NO NO NO

Channel features(s) RO RO NO NO NO NO NO NO NO

RIGHT BANK (tick one box)

Bank material (fine) CO CO BO CA EA EA EA EA EA EA

Bank modification(s) NO NO NO NO NO NO NO NO NO

Bank features(s) NO NO SB SB SB EC NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from AL, CP, HM, SC, EP, WL, OF, NO, R, S

LAND USE WITHIN 5m OF BANKTOP (L) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G

LEFT BANK-TOP (structure within 1m) BAUSC 1 5 1 1 5 1 1 1 1 1

LEFT BANK FACE (structure) BAUSC 1 5 1 1 5 1 1 1 1 1

RIGHT BANK FACE (structure) BAUSC 1 5 1 1 5 1 1 1 1 1

RIGHT BANK-TOP (structure within 1m) BAUSC 1 1 1 1 1 1 1 1 1 1

LAND USE WITHIN 5m OF BANK TOP (R) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (present))

NONE (tick) Plant genus (tick one)

Emergent broad-leaved herbs ☒

Emergent reeds/sedges/rushes ☒

Floating-leaved (free) ☒

Free-floating ☒

Amphibious ☒

Submerged broad-leaved ☒

Submerged fine-leaved ☒

Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

NOTES - Use tick marks of genus of plant species + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P if present)

Broadleaf/woodland (BL) Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or P if present)

Natural/unmodified L R Artificial/modified L R

Vertical undercut 72 Resection

Vertical + toe Reinforced - whole bank

Steep (> 45°) Reinforced - top only

Gentle Reinforced - toe only

Composite Artificial two-stage

Use this space to draw profile of different from above, after taking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☒ E ≥ 33%

Isolated/scattered ☐ Shading of channel ☐ Present ☒ No trees

Regularly spaced, single ☐ Overhanging boughs ☐ Present ☒ No trees

Occasional clumps ☐ Exposed bankside roots ☐ Present ☒ No trees

Semi-continuous ☐ Underwater tree roots ☐ Present ☒ No trees

Continuous ☒ Fallen trees ☐ Present ☒ No trees

Coarse woody debris ☐ Present ☒ No trees

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - silt ☐ Present ☒ No trees

Cascades(s) - chute ☐ Exposed bedrock ☐ Present ☒ No trees

Step/pool sequence ☐ Exposed boulders ☐ Present ☒ No trees

Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐ Present ☒ No trees

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐ Present ☒ No trees

Rough(s) - disturbed, rippled ☐ Mature island(s) ☐ Present ☒ No trees

Boil(s) - upwellings ☐ Unvegetated side bars ☐ Present ☒ No trees

Slide(s) - smooth, no eddies ☐ Vegetated side bars ☐ Present ☒ No trees

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 5.50 RIGHT BANK

Banktop height (m) 1.40 Water width (m) 2.0 Banktop height (m) 1.40

Embanked height (m) Water depth (m) 0.15 Embanked height (m)

If trashes lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 3.5

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls =

Footbridges = Other =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/side channels ☐ Natural open water ☐ Bog ☐ Other (state)

Debris dams ☐ Water meadow ☐ Carr ☐

Loose debris ☐ Fen ☐ Marsh ☐

Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or P)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: True bank with steep, some other vegetation place

Final note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE 2 channel sample taken ☒ filtered ☒

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

Have you completed your enquiries from this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3544
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: 3544
Date: 11/1995 Time: 11:00 Surveyor name: J. J. J.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 11 Unvegetated point bars
Pools Vegetated point bars

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (Tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Stat. = Material 1 = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. 1	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Bank modification(s)										
Bank feature(s)										
CHANNEL										
Channel substrate 1	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Flow type 1	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)										
Channel feature(s)										
RIGHT BANK										
Stat. 1	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Bank modification(s)										
Bank feature(s)										

F BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, SM, SC, SP, SW, GA, FR, BW

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m)										
LEFT BANK FACE (structure)										
RIGHT BANK FACE (structure)										
RIGHT BANK-TOP (structure within 1m)										
LAND USE WITHIN 5m OF BANK TOP (R)										

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or / (present))

NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

SITE NO. 3544 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or / if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (in 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, other ticked predetermined box			Prashed		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed backside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Carny woody debris		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequence			Exposed boulders		
Rapid(s) - white-water			Unvegetated mid-channel bars		
Riffle-pool sequence			Vegetated mid-channel bars		
Run(s) - disturbed, rippled			Mature island(s)		
Bank(s) - spilling			Unvegetated side bars		
Glide(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCE

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably)

LEFT BANK	Banktop width (m)	Banktop height (m)	RIGHT BANK
Banktop height (m)	2.5	15.5	Banktop height (m)
Embanked height (m)	0.5	0.5	Embanked height (m)

If trashes lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (1/E)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Footbridges = Weirs = Part of site ☐ Outfalls = Ponds =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/belt of s

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bag <input type="checkbox"/> Carr <input type="checkbox"/> Marsh <input type="checkbox"/> Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Noisy channel with alternating side bars, riffles, runs, pools, and slides.

Plants of note: Noisy channel with alternating side bars, riffles, runs, pools, and slides.

Major conservation features: Noisy channel with alternating side bars, riffles, runs, pools, and slides.

Major impacts: Noisy channel with alternating side bars, riffles, runs, pools, and slides.

Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B.

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 2646
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: 5J 377063 River: REA Brook
Date: 5/5/95 Time: 1.530 Surveyor name: TS, TW, PH, LA, K, TM
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) Yes
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NITE/ash Trench

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 6 Unvegetated point bars
Pools 1 Vegetated point bars
If E - mid - see over 100m

National Rivers Authority

DATES: heard 12.5 planned visited date/cls

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 11111 Pools 1 Unvegetated point bars 1 Vegetated point bars 1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	SC	SC	SC	NO	NO	SC	SC	SC	SC
Channel substrate (fine)	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type (fine)	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CP, JH, SC, TP, PL, CV, IG, IL, IS

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LEFT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK-TOP (structure within 1m)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
RIGHT BANK FACE (structure)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry per 10% area or 1/100m)

NONE (tick)

	1	2	3	4	5	6	7	8	9	10
Liverwort mosses/twigs										
Emergent broad leaved herbs										
Emergent reeds/sedges/rushes										
Flowering reeds/sedges/rushes										
Free-floating										
Amphibious submerged - broad-leaved										
Submerged fine linear-leaved										
Filamentous algae										

Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ☒

H PLANTS - Use 1-11 for types of plants, 12-13 for species if possible, 14-15 for plant parts & plantations

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

I LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or V if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

J BANK PROFILES (Use E (in 33% banklength) or V if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use 1-11 to show profile if different from above, else tick predominant box			Perched		
			Embanked		
			Set-back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	None	Present	E	Notes
None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							
ASSOCIATED FEATURES (Tick one box per feature)							
Shading of channel							
Overhanging boughs							
Exposed bankside roots							
Underwater tree roots							
Fallen trees							
Coarse woody debris							

L EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes
Waterfall(s) - freefall				
Cascade(s) - chute				
Step/pool sequences				
Rapid(s) - whitewater				
Riffle-pool sequences				
Run(s) - disturbed, rippled				
Beil(s) - upwellings				
Glide(s) - smooth, no eddies				
Marginal deadwater - slack				
Exposed bedrock				
Exposed boulders				
Unvegetated mid-channel bars				
Vegetated mid-channel bars				
Mature island(s)				
Unvegetated side bars				
Vegetated side bars				

Have you completed your survey for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

M CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	RIGHT BANK	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)
	2.0	2.0	2.0	0.20		2.0	2.0	2.0	0.20

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1H:1V) 2:1

N ARTIFICIAL FEATURES (Use 1-11 to indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

O EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ bank reinforcement ☐ Other? State: bank reinforcement
ward-cutting ☐ enhancement ☐ bank reinforcement ☐ Other? State: bank reinforcement

P FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flats ☐

Q CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

R NOTABLE NUISANCE PLANT SPECIES (Use 1-11 to indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

S BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Managed every year, several hundred willow plants and plants of note.
Major conservation features:
Major impacts:
Incidental observations (animals etc):

T IF 2 CHECKED, ONLY ONE CAN BE D. FILTERED

U DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, B120 6BB

Enclosures supplied! Post completed forms for processing. Details supplied as requested.

National Rivers Authority

prvc mod

744

data

PLANTS - Use 1st 4 letters of genus & Pota. Potomagen
+ species if possible eg. Pota sect. Potomageni sect. Potomageni

ASSOCIATION OF...

Have you completed your expenses form this week? (send to FND for signature!)

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

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Envelopes supplied! Post complete films for processing - labels supplied using

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?
B FIELD SURVEY DETAILS		
Reference network site number: 3661		
Mid-section grid reference of network site if different from designated location:		
COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference: SK817042		River: Chater / Welland
Date 18/5/1995	Time 12:30	Surveyor name (only s.s.s.d.) G.C.
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state		
Bed of river visible? No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/> (tick one box)		
Photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)		
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)		
C. PREDOMINANT VALLEY FORM (tick one box only)		
<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> terraced valley floor	
<input type="checkbox"/> deep vee	<input checked="" type="checkbox"/> symmetrical floodplain	
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain	
<input type="checkbox"/> concave/bowl	+ notes on diagram	
D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)		
Riffles 7	Unvegetated point bars 4	
Pools 2	Vegetated point bars	
IF 6-11 = 6 - 11 = 12 (12)		
National Rivers Authority		














DATES. Record
2/11/77

[illegible]

PLANTS - Use 1st 4 letters of genus \rightarrow Pot, Potanogon
+ species if possible eg Pot, part & Potanogon partinior

H LAND USE WITHIN 50m OF BANKTOP: Use E ($\geq 33\%$ banklength) or J if present		L	R		L	R
Broadleaved woodland (BL)				Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CF)				Open water (OW)		
Moorland/heath (MH)				Improved/barely-improved grass (IG)	E	E
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Tilled land (TL)	F	
Rough pasture (RP)		<input checked="" type="checkbox"/>		Suburban/urban development (SU)		

J BANK PROFILES: Use E ($\geq 33\%$ banklength) or J if present:

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - none 		
Vertical + toe 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Slope (> 45°) 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only 		
Grass 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use six spaces to free profile if different from above, after ticking predominant here			Poached 		
			Embanked 		
			Set-back embankment 		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	WATER	E $\geq 33\%$	None	Present	E	NOTED
None	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K CHANNEL FEATURES (Tick one box per feature)

	None	Present	H		None	Present	H	NOTED
Waterfall(s) - free fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rapid(s) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Runs(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>		Marsh island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Have you completed your expenses for this week? (send to FND for signature!)

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)			
LEFT BANK	Backstop width (m)		RIGHT BANK
Backstop height (m)	1.5	Water width (m)	1.75
Enhanced height (m)		Water depth (m)	0.1
If thresholds lower than backstop break in slope, indicate: ¹⁸ height (m) 2.0 width (m)			
Bed material at site is: consolidated (compers) <input checked="" type="checkbox"/> unconsolidated (poors) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> pick one box! Slope (IFE only)			
M ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)			
Ness <input type="checkbox"/>	Number of Culverts =	Wirs =	Orfalls =
	Footbridges = 1	Reedbridges =	Fords = 4
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> <input type="checkbox"/> Mouth hole of site <input checked="" type="checkbox"/>			
N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
Erasing <input type="checkbox"/>	moving <input type="checkbox"/>	Other ?	State
ward-cutting <input type="checkbox"/>	enhancement <input checked="" type="checkbox"/>	artificial riffles	
O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))			
CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carri <input type="checkbox"/>	
Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	
P CHOKED CHANNEL (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2 for each plant, tick "None")			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other ? State			
R BRIEF DESCRIPTION: (Use primers and key words as appropriate) "The Seals and S"			
Descriptive notes: Downstream artificial embankments, large accumulation of fine sediment, several artificial riffles made of large boulders			
Plants of note:			
Major conservation features: Deep existing banks (Kungfisher nestings)			
Major impacts: Artificial empurmenting, land drains			
Incidental observations (animals etc): Kungfisher			
IFE 2 checked singly by box <input checked="" type="checkbox"/> filtered <input checked="" type="checkbox"/>			
S DISEASED ALDERS (Tick one box)			
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other (disease trees) State			

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3662

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: Sk972079 River: Gwash/Welland

Date 10.5.1995 Time: 10.00 Surveyor name: [Signature]

Adverse conditions affecting survey? No ☐ Yes ☒ If yes, state left bank inaccessible

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general features ☐ No ☒ Yes ☐ (tick one box) with 50m N/S on 1st

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles 1 Unvegetated point bars

Pools 2 Vegetated point bars

IFE - 1/10 - See page 10 of 10

National Rivers Authority

DATE: record framed validated deleted

DATE: record framed validated deleted

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

	L	R		L	R
Broadleaf/woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/obscure			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	None	Present	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>	E to 33%	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Canoe(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - subwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Bed(s) - gravel, silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Gravel(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your entries from this week? (Send to PND for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site (tick one)	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Bank material (fine)	FA	FA	FA	FA	CL	FA	FA	FA	FA	SA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE - Use the scale of 1-10 to assess the channel										
Channel substrate (fine)	SI	SI	SI	GP	SI	CL	SI	SA	BE	SA
Flow type (fine)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Bank material (fine)	FA	FA	FA	FA	CL	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)

Land use: choose one from AL, CP, MH, SC, RP, WL, GP, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	S	S	U	S	U	S	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry; use E (to 33% area) or F (present))

Plant genera (tick one)	1	2	3	4	5	6	7	8	9	10
None (tick)										
Algae										
Stagnum										
Myosotis										
Vallisneria										
Calla										
Amphibious										
Shrubbed										
Broad-leaved										
Narrow-leaved										
Linear-leaved										
Wet algae										

* 'tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

TS - Use tick boxes of Green, Yellow, Red, and Purple to indicate vegetation status

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Right Bank
Banktop width (m)	11	
Banktop height (m)	1.5	1.5
Banktop height (m)	0.3	0.3
Banktop height (m)		

If (bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) (Slope (IFE only))

M ARTIFICIAL FEATURES (Use 1/10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

In water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☒ mowing ☐ Other 7 State

weed-cutting ☒ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)	Other (tick)
Waterfalls > 5m high	Artificial open water	Bog
Enailed/wide channels	Natural open water	Carr
Debris dams	Water meadow	Marsh
Leafy debris	Fen	Flood

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/10 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Deep with few meanders, slow flow

Plants of note:

Major conservation features:

Major impacts: Spiky headlands

Incidental observations (animals etc):

IFE 2 channel only to be ticked ☒

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, B120 6BB

20.1.95

NRA RIVER HABITAT SURVEY 1995: IFB mid A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3663

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TR049076 River: Moxy Cut / Welland

Date 21.1.1995 Time: 09.30 Surveyor name: GC

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 2 Unvegetated point bars

Pools 1 Vegetated point bars

National Rivers Authority

JMES. Reard
P-4023 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (J) Mark with a tick (✓) or a cross (✗)

Spot check 1 is at: upstream end ☒ of site ☐ (tick one)

LEFT BANK (looking downstream)

Bank material (one) BE,BO,CO,GE,LE,PE,CE

Bank modification(s) ☒ NO,AL,JP,CA,HE,EN

Bank feature(s) ☒ NO,NO,EC,SC,PS,VS,VS

CHANNEL NOTE - Use sketch to show aspect of relevant

Channel substrate (one) CO,CO,GP,GP,GP,GP,GP,GP,GP,GP

Flow type (one) FF,CL,W,UV,CF,AP,UP,SM,JP,NO

Channel modification(s) ☒ NO,NO,AL,JP,CA,HE,EN

Channel feature(s) ☒ NO,NO,AL,JP,CA,HE,EN

RIGHT BANK - looking upstream

Bank material (one) BE,BO,CO,GE,LE,PE,CE

Bank modification(s) ☒ NO,AL,JP,CA,HE,EN

Bank feature(s) ☒ NO,NO,EC,SC,PS,VS,VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))

NONE (tick) Plant quercus (but-rim)

Liverworts Algae

Mosses/lichens Algae

Emergent broad-leaved herbs Algae

Emergent reeds Algae

Emergent sedges Algae

Emergent rushes Algae

Free-floating Algae

Amphibious Algae

Submerged - broad-leaved Algae

Submerged - narrow-leaved Algae

Filament, algae Algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use list of habitats of Great Britain & Ireland, plus species of possible of Poles part of Poles vegetation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unreinforced			Reinforced - whole bank		E
Vertical + toe			Reinforced - top only		E
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		E
			Embanked		E
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	Notes
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - close	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Natural island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your responses for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>5</u>	Banktop height (m)
Embankment height (m)	<u>0.1</u>	Embankment height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 2 Outfalls = 0 Fords = 0

Footbridges = 0 Roadbridges = 0 Other = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Full/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☒ Other? State: None

weed-cutting ☐ enhancement ☒

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)

Braided/riffle channels ☐ Natural open water ☐ Bog ☐ Other (state): None

Debris dams ☐ Water meadow ☐ Carr ☐

Leafy debris ☐ Fen ☐ Marsh ☐

Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R BRIEF DESCRIPTION (Use principles and key words as appropriate)

Descriptive sentence: Shallow, disturbed, upstream end, unweir, 2 weirs, extensive

Plants of note: Algae, Extensive, Algae (but-rim) on right bank in grass

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE 26 - check by FWD

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/m) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3665
 Mid-section grid reference of network site if different from designated location: Arg
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: River: Nele
 Date: 11/15/1995 Time: 11:15 AM Surveyor name: JZ DH (H) CC ML
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____
 Bed of river visible? No ☐ partially ☐ entirely ☐ pick one box
 Dominant photograph: general character? No ☐ Yes ☐ pick one box
 Site surveyed from: left bank ☐ right bank ☐ channel ☐ pick at appropriate

C. PREDOMINANT VALLEY FORM (pick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/mh 7 uasin

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/2 when indicate total number)

Riffles: Unvegetated point bars
 Pools: Vegetated point bars
 IFE (m) = 100m sweep-up

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone)

Left Bank: 1 2 3 4 5 6 7 8 9 10
 Right Bank: 1 2 3 4 5 6 7 8 9 10

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide banktop)

Land use: 1 2 3 4 5 6 7 8 9 10
 Land use within 5m of banktop (L): 1 2 3 4 5 6 7 8 9 10
 Left bank-top (structure within 1m): 1 2 3 4 5 6 7 8 9 10
 Right bank-top (structure within 1m): 1 2 3 4 5 6 7 8 9 10
 Land use within 5m of banktop (R): 1 2 3 4 5 6 7 8 9 10

G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide zone)

None ☐ Plant species (list):
 Emergent broad-leaved herbs: 1 2 3 4 5 6 7 8 9 10
 Submerged broad-leaved herbs: 1 2 3 4 5 6 7 8 9 10
 Floating-leaved: 1 2 3 4 5 6 7 8 9 10
 Free-floating: 1 2 3 4 5 6 7 8 9 10
 Amphibious: 1 2 3 4 5 6 7 8 9 10
 Submerged - broad-leaved: 1 2 3 4 5 6 7 8 9 10
 Submerged - narrow-leaved: 1 2 3 4 5 6 7 8 9 10
 Filamentous algae: 1 2 3 4 5 6 7 8 9 10

Use and "check-off" column for types not occurring in spot checks as well as overall assessment over 100m (see E or F)

Notes: Use 1/2 for banks of stream in 10m wide zone
 + signs if possible of bank peak + submerged vegetation

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use 1/2 for 25m banklength or if present)

Broadleaved woodland (BL) Wetland (e.g. bog, marsh, fen) (W)
 Coniferous plantation (CP) Open water (OW)
 Moorland/heath (MH) Improved/semi-improved grass (IG)
 Scrub (SC) Tilled land (TL)
 Rough pasture (RP) Suburban/urban development (SU)

I. BANK PROFILES (Use 1/2 for 25m banklength or if present)

Natural/unmodified L R Artificial/modified L R
 Vertical/horizontal 1 2 Reinforced - whole bank 1 2
 Vertical + toe 1 2 Reinforced - top only 1 2
 Steep (> 1:1) 1 2 Reinforced - toe only 1 2
 Gravel 1 2 Artificial two-stage 1 2
 Composite 1 2 Faced 1 2
 Embankment 1 2
 Set-back embankment 1 2

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees (Tick one box per bank)
 None L R None Present H M
 Isolated/seedling Regularly spaced, single Occasional clumps Semi-mature/mature Coniferous
 Associated features (Tick one box per feature)
 None Present H M
 Staking of channel Overhanging boughs Exposed bankside roots Undermined tree roots Fallen trees Coarse woody debris

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present H M
 Waterfalls - freefall Cascade(s) - chute Step/pool sequences Rapid(s) - submergent Riffle-pool sequences Bank(s) - fluvial, applied Bank(s) - spring-fed Channel(s) - natural, no outlet
 Marginal deadwater - stand Exposed boulders Unvegetated mid-channel bars Vegetated mid-channel bars Mature island(s) Unvegetated side bars Vegetated side bars

Have you completed your entries from this week? (and 6 PMS for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

Left Bank: 1 2 3 4 5 6 7 8 9 10
 Right Bank: 1 2 3 4 5 6 7 8 9 10
 Banktop width (m) Water width (m) Banktop height (m) Bank height (m)
 Embankment height (m) Water depth (m) Embankment height (m)

M. ARTIFICIAL FEATURES (Use 1/2 for 25m banklength or if present)

Name: Number of Culverts = 1 Weir: Number of Weirs = 3 Folds = 3
 Part of the site controlled by a weir/dam/structure No ☐ Part of the site ☐ Part of the site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ moving ☐ Other? State: _____
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

Channel: Waterfalls > 5m high ☐ Artificial open water ☐ Beg ☐ Other (state): _____
 Exposed side channels ☐ Natural open water ☐ Carr ☐
 Delta dams ☐ Water meadow ☐ Marsh ☐
 Lotic debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNELS (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/2 for 25m banklength or if present)

Cast Horsetail ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Description of site: _____
 Plants of note: _____
 Major conservation features: _____
 Major impacts: _____
 Incidental observations (animals etc.): _____

S. DISSEMINATED ALGERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (state): _____

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
 Envelopes supplied! Post completed forms for processing - labels supplied

Have you completed your request for this week? (send to PWD for signature!)

201A RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4
 L CHANNO L DIMENSIONS To be measured at one site on a straight uniform section, preferably across a riffle
 LEFT BANK
 Baiting width (m) 1.7-4.0
 Baiting height (m) 2.7 Water which (m) 2.7
 Embankment height (m) 2.7 Water depth (m) 2.7
 If bankline lower than baiting track is slope, indicate height (m) 2.7
 Soil material at site list ☐ secondhand (organic) ☐ unweathered (green) ☐ unknown ☐
 Location of measurement list ☐ riffle ☐ run or glide ☐ other ☐ pick one brief slope (left only)
 M. ARTIFICIAL FEATURES (Use 1 to indicate total number, not "none" = here appropriate)
 None ☐ Number of Culverts = 0
 Weirs = 0
 Roadbridges = 0
 Outfalls = 0
 Ponds = 0
 Is water level controlled by upstream dam/weir? No ☒ Part of site ☐ ☐ Mouth hole of site ☐
 N EVIDENCE OF RECENT MANAGEMENT (Use 1 to indicate total number, not "none" = here appropriate)
 Weeding ☐
 mowing ☐
 muck removal ☐
 Other? Site
 O FEATURES OF SPECUL INTEREST (Use appropriate box(es))
 CHANNO L
 Waterfalls ☐ FLOODPLAIN (don't consider)
 Artificially ☐
 Brackish channels ☐ Natural open water ☐
 Ditch ☐ Water meadow ☐
 Lush ☐ Fish ☐
 Bog ☐
 Cut ☐
 Marsh ☐
 Flush ☐
 P CHOKED CHANNEL (Use 1 to indicate total number, not "none" = here appropriate)
 Is 25% or more of the channel choked with vegetation? NO ☐ YES ☐
 Q NOTABLE NUISANCE PLANT SPECIES (Use 1 to indicate total number, not "none" = here appropriate)
 Giant Hogweed ☐ Hiccupgrass ☐ Japanese Knotweed ☐ Other? Site
 R. BRIEF DESCRIPTION (Use prompt and key to indicate total number, not "none" = here appropriate)
 Description maximum 200 characters (don't exceed 200 characters) (Use 1 to indicate total number, not "none" = here appropriate)
 Plants of note
 Major construction features
 Major impacts
 Incidental observations (animals etc): 2 pairs of crows, 1 pair with 2 eggs, 1 double
 IF 2 or more ☐ 1 ☐
 S. DISTURBED ALIENS (Use 1 to indicate total number, not "none" = here appropriate)
 None ☐ Present ☐ Extensive ☐ Other (insert brief) Site
 SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, DT96 6BS
 Enclosure included! Post code DT96 6BS

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3668

Mid-section grid reference of network site (if different from designated location):

COMPLETION THIS FOLLOWING FOR ALL SITES

Grid Reference: River: 72 DH (HCC) ML

Date: 15.11.1995 Time: 10.55 Surveyor name: 72, 74 PM 14 AK 764

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ pick one box

Photographs: general character? No ☒ Yes ☐ pick one box

Site surveyed from: left bank ☐ right bank ☐ channel ☐ pick as appropriate

C. PREDOMINANT VALLEY FORM (pick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/mix 7/4/14/14

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles: 15 Unvegetated point bars: 1

Pools: 1 Vegetated point bars: 1

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel width < 2m wide river) (if more than 2m wide river, assess 10m wide section)

Spot check 1 to 10, upstream end downstream

LEFT BANK

Bank modification(s) ☒ NO BANK MODIFICATION

Bank feature(s) ☒ NO BANK FEATURE

CHANNEL

Channel substrate (fine) ☒ NO CHANNEL SUBSTRATE

Flow type (fast) ☒ NO FLOW TYPE

Channel modification(s) ☒ NO CHANNEL MODIFICATION

Channel feature(s) ☒ NO CHANNEL FEATURE

RIGHT BANK

Bank modification(s) ☒ NO BANK MODIFICATION

Bank feature(s) ☒ NO BANK FEATURE

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide section)

Land use: choose one from PL, CP, AR, IC, AG, VL, OW, SC, RL, SL

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP structure within 1m: ☒ NO LEFT BANK TOP

LEFT BANK FACE structure: ☒ NO LEFT BANK FACE

RIGHT BANK FACE structure: ☒ NO RIGHT BANK FACE

RIGHT BANK TOP structure within 1m: ☒ NO RIGHT BANK TOP

LAND USE WITHIN 5m OF BANK TOP (R)

CHANNEL VEGETATION TYPES (fill in relevant boxes with one energy use E to 3% max or 4 (over))

NONE (pick) ☒ Plant cover (pick one)

Emergent: ☒ NO EMERGENT

Submerged: ☒ NO SUBMERGED

Flowering: ☒ NO FLOWERING

Free-floating: ☒ NO FREE-FLOATING

Amphibious: ☒ NO AMPHIBIOUS

Submerged: ☒ NO SUBMERGED

Flowering: ☒ NO FLOWERING

Flowering: ☒ NO FLOWERING

Use the end 'watch-out' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 4)

Notes: Use the 'watch-out' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 4)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Use E to 3% max length) or 4 if present

Wetland (eg bog, marsh, fen) (W)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

BANK PROFILES (Use E to 3% max length) or 4 if present

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (> 45°)

Gentle

Composite

Use this space to draw profile of 40m from first site, above existing profile (if any)

EXTENT OF TREES AND ASSOCIATED FEATURES (fill one box per feature)

TREES (fill one box per bank)

None ☒ Left ☐ Right ☐ Mixed

Isolated/scattered ☒ Regularly spaced, single ☐ Occasional clumps ☐ Semi-concentrated ☐ Continuous ☐

ASSOCIATED FEATURES (fill one box per feature)

Shading of channel ☒ Overhanging branches ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

EXTENT OF CHANNEL FEATURES (fill one box per feature)

Waterfall(s) - free fall ☒ Cascades(s) - chute ☐ Step-pool sequence ☐ Rapids(s) - submergence ☐ Riffle-pool sequence ☐ Runs(s) - disturbed, riffled ☐ Boils(s) - aggrading ☐ Glides(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 12.5

Banktop height (m) 2.5

Banktop width (m) 12.5

Banktop height (m) 2.5

Water width (m) 12.5

Water depth (m) 2.5

Banktop width (m) 12.5

Banktop height (m) 2.5

Water width (m) 12.5

Water depth (m) 2.5

If terrace lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ pick one box

ARTIFICIAL FEATURES (Use 1/11 indicate land number, tick 'none' where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0

Footbridges = 0 Roadbridges = 0 Other = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

EVIDENCE OF RECENT MANAGEMENT (fill appropriate box)

digging ☐ mowing ☐ Other? State: None

weed-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (fill appropriate box(es))

CHANNEL

Waterfalls > 1m high ☐ Artificial open water ☐ Eng ☐ Other (state) None

Bankside debris ☐ Natural open water ☐ Cor ☐

Debris dams ☐ Water meadow ☐ Sink ☐

Loose debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (fill one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (fill one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

BRIEF DESCRIPTION (Use prompt and leg words as appropriate) (fill one box)

Descriptive sentence: Long, straight, uniform section with riffle, bankside debris, water meadow, channel width 12.5m, depth 2.5m, banktop width 12.5m, banktop height 2.5m.

Plants of note: None

Major conservation features: None

Major impacts: None

Incidental observations (animals etc): None

IF 33% or more of the channel is choked with vegetation, fill in the following

DISEASED ALIENS (fill one box)

None ☒ Present ☐ Extensive ☐ Other diseased tract None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

Have you completed your enquiries for this week? (send to RWS for signature!)

NRA RIVER HABITAT SURVEY 1995: 100m SWEEP-UP Page 3 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Plannform category
 Distance from source(km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site numbers: 3670 - *Platelandia*
 Mid-section grid reference of network site if different from designated location: 3710

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *JL DH (H, CC) ML*
 Date: 3/1/1995 Time: 01:01 Surveyor name: *JB, TW, PH, LAK, TCM*
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*
 Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☐ (tick one box) *Site 11, 12, 13*
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes: *note 7 down*

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
 Pools Vegetated point bars
 IFE-M-L-S-C-E-T-V-P-U-L-L

National Rivers Authority

JKES, record
 P. 10/1/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) (tick one box)

Spot check 1 is at upstream end of site (tick one box)

LEFT BANK (tick one box)

Bank modification(s) ☒ *NO, B, L, P, C, M, H, N*
 Bank features(s) ☒ *NO, B, L, P, C, M, H, N*
 CHANNEL NOTE: *USE 1-10 THEN INDICATE TOTAL NUMBER*
 Channel substrate (tick one box) *NO, B, L, P, C, M, H, N*
 Flow type (tick one box) *NO, B, L, P, C, M, H, N*
 Channel modification(s) ☒ *NO, B, L, P, C, M, H, N*
 Bank features(s) ☒ *NO, B, L, P, C, M, H, N*

RIGHT BANK (tick one box)

Bank modification(s) ☒ *NO, B, L, P, C, M, H, N*
 Bank features(s) ☒ *NO, B, L, P, C, M, H, N*

F. BASIN TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide section)

Land use: choose one from R, C, M, L, S, C, E, T, V, P, U, L, L

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m) *NO, B, L, P, C, M, H, N*
 LEFT BANK FACE (structure) *NO, B, L, P, C, M, H, N*
 RIGHT BANK FACE (structure) *NO, B, L, P, C, M, H, N*
 RIGHT BANK TOP (structure within 1m) *NO, B, L, P, C, M, H, N*
 LAND USE WITHIN 5m OF BANK TOP (R) *NO, B, L, P, C, M, H, N*

G. CHANNEL VEGETATION TYPES (tick all relevant boxes with one entry per box (in 10% area) or 1 (green))

NONE (tick one box) *Plant species (tick one box)*

Emergent broad-leaved herbs ☒
 Emergent narrow-leaved herbs ☒
 Emergent reeds ☒
 Floating-leaved (rooted) ☒
 Free-floating ☒
 Amphibious ☒
 Submerged ☒
 Submerged fan ☒
 Filamentous algae ☒

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANTS - Use 1-10 then indicate total number, tick 'none' where appropriate
 + species if possible of plants past 10m past 10m past 10m

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 5m OF BANKTOP (Use 1-10 then indicate total number, tick 'none' where appropriate)

I. BANK PROFILES (Use 1-10 then indicate total number, tick 'none' where appropriate)

J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Have you completed your queries for this week? (send to FWS for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site in a straight uniform section, preferably across a riffle)

LEFT BANK **RIGHT BANK**

Banktop width (m) *1.2-2.0* Banktop height (m) *1.0-1.5*
 Banktop height (m) *0.6-1.0* Water width (m) *3-5* Banktop height (m) *1.0-1.5*
 Embankment height (m) *1.0-1.5* Water depth (m) *1.0-1.5* Embankment height (m) *1.0-1.5*

If truncheon lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (tick one box, tick 'none' where appropriate)

None ☒ Number of Culverts = *1* Weirs = *1* Outfalls = *1* Ponds = *1*
 Footbridges = *1* Roadbridges = *1* Other = *1*

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ mowing ☐ Other? *Site*
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL **FLOODPLAIN (50m corridor)**

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (tick) *...*
 Brackish/side channels ☐ Natural open water ☐ Cut ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fan ☐ Flank ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? *Site*

R. BRIEF DESCRIPTION (Use groups and 10 words or less to describe the site)

Descriptive sentence: *Handy area, 10m x 10m, 2m deep, across a riffle, stream bed is covered with a lot of open channel, flooded on R bank, RP on L bank with BL.*

Plants of note: *...*

Major conservation features: *...*

Major impacts: *...*

Incidental observations (animals etc): *...*

IFE 3 channel survey by *JB* dated *3/1/95*

S. DISEASED ALIENS (tick one box, tick 'none' where appropriate)

None ☒ Present ☐ Excessive ☐ Other (tick one box) *Site*

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRENHAM, B313 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3672

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TF926017 River: WATTON BROOK

Date 14/6/1995 Time: 22:13 Surveyor name: PH + JL

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes / EXTRA DIAGRAM

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles 3 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream and ☒ downstream and ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (4) MARK POSITION OF FEATURES

Mat. = Material	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = BE, BO, CO, CI, CL, CP, CC, SP, NP, GA, BR, BB, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> NO, AI, NJ, PC, BH, EN	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
CHANNEL <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modification(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Mat. = BE, BO, CO, CI, CL, CP, CC, SP, NP, GA, BR, BB, BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> NO, AI, NJ, PC, BH, EN	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, SP, NL, OW, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	U	U	C	S	S	U	U	S	U	U
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	U	U	C	S	S	U	U	S	U	U
RIGHT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	U	U	C	S	S	U	U	S	U	U
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> NO, NO, EC, SC, SP, NP, SP, NP	U	U	C	S	S	U	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	C	S	S	U	U	S	U	U

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (≥ 33% area) or F (present))

NONE (tick as appropriate)	PLANT SPECIES	1	2	3	4	5	6	7	8	9	10
Liverworts/mosses/lichens	<input checked="" type="checkbox"/>										
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>										
Emergent reeds/rushes/marsh	<input checked="" type="checkbox"/>										
Flowering-leaved (rooted)	<input checked="" type="checkbox"/>										
Free-floating	<input checked="" type="checkbox"/>										
Amphibious	<input checked="" type="checkbox"/>										
Submerged broad-leaved	<input checked="" type="checkbox"/>										
Submerged fine/linear-leaved	<input checked="" type="checkbox"/>										
Filamentous algae	<input checked="" type="checkbox"/>										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaf/deciduous woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Recessed		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Slope (> 45°)			Reinforced - toe only		
Geotile			Artificial two-stage		
Composite			Poached		
			Embedded		
			Set-back embankments		

Use this space to draw profile of difference from above, after taking 2-dimensional line

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	None	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None	<input checked="" type="checkbox"/>			E ≥ 33%	<input checked="" type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>			Shading of channel	<input checked="" type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>			Overhanging boughs	<input checked="" type="checkbox"/>		
Occasional clumps	<input type="checkbox"/>			Exposed bankside roots	<input checked="" type="checkbox"/>		
Semi-continuous	<input type="checkbox"/>			Underwater tree roots	<input checked="" type="checkbox"/>		
Continuous	<input type="checkbox"/>			Fallen trees	<input checked="" type="checkbox"/>		
				Coarse woody debris	<input checked="" type="checkbox"/>		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Road(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Slide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.40	RIGHT BANK
Banktop height (m)	2.00	Water width (m)	1.60
Banktop height (m)	2.00	Water depth (m)	0.1
Banktop height (m)	2.00	Banktop height (m)	2.25
Banktop height (m)	2.00	Banktop height (m)	2.25
Banktop height (m)	2.00	Banktop height (m)	2.25

If transect lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFB only)

M ARTIFICIAL FEATURES (Use 1H then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ To ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drifting ☒ moving ☐ Other? State: wind-cutting ☐ submergence ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

☒ CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): Bridled/side channels ☐

Natural open water ☐ Carr ☐ Marsh ☐ Flush ☐

Debris dams ☐ Water meadow ☐

Leafy debris ☐ Fen ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1H then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Hemp ☐ Ribwort's ☐ Starwort ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (1) THE SENTENCE(S)

Descriptive statement: Extending 25m stretch of stream, surrounded by

Notes of note: improved grassland and a silt.

Major conservation features: Major impacts:

Wildlife observations (animals etc):

FE CHEMICALS (SAMPLES TAKEN) ☒ ENTERED ☒

DISPERSED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (state): State:

END COMPLETED FORM TO HUGH DAWSON, IFF, RIVER LABORATORY, EAST STONE, WAREHAM, B170 4BB

NRA RIVER HABITAT SURVEY 1995: 1P & 2A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation

B FIELD SURVEY DETAILS

Reference network site number: 3673

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T6078083 River: YARE

Date: 15/1/1995 Time: 12:11 Surveyor name: J. D. H. I. H. C. C. M. L.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site map

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles 7 Unvegetated point bars 0

Pools 8 Vegetated point bars 0

IFE - mid - see survey page 13

National Rivers Authority

DATES: record framed validated details checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark + notation) (tick one box)

Spot check 1 to 10: upstream end downstream

LEFT BANK (looking down stream)

Mat. BE, NO, CO, GLE, PE, CL, CC, SP, WF, GL, BR, BR, BW

Bank modification(s) ☒ NO, AL, N, PC, BR, EN

Bank feature(s) ☒ NO, NO, SC, SC, JR, JR, JR, JR

CHANNEL NOTE Use: ☒ natural, ☐ artificial

Channel substrate (one) ☒ SE, SE, SO, CO, CO, SP, SE, SE, CL, CL

Flow type (one) ☒ FF, CH, SW, WF, CL, AF, UF, SH, SP, NO

Channel modification(s) ☒ NO, NO, AL, N, DA, FO

Channel feature(s) ☒ NO, NO, JR, JR, JR, JR

RIGHT BANK (looking down stream)

Mat. BE, NO, CO, GLE, PE, CL, CC, SP, WF, GL, BR, BR, BW

Bank modification(s) ☒ NO, AL, N, PC, BR, EN

Bank feature(s) ☒ NO, NO, SC, SC, JR, JR, JR, JR

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CP, AK, SC, RP, VL, OW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSIC

LEFT BANK FACE (structure) BAUSIC

RIGHT BANK FACE (structure) BAUSIC

RIGHT BANK-TOP (structure within 1m) BAUSIC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry use E (at 33% area) or V (present))

NONE (tick) Plant genera (list in G1)

None ☒ Plant genera (list in G1)

Free-floating ☒ Submerged ☒ Emergent ☒ Floating-leaved ☒ Filamentous ☒ Algae ☒

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

PLANT S - Use list of genera of plants in vegetation survey + species if possible of Potamogeton pectinatus

REPEAT!

SITE NO. 3673 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP Use E (at 33% banklength) or V (if present)

Broadleaved woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WL) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☐ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I BANK PROFILES Use E (at 33% banklength) or V (if present)

Natural/unmodified ☒ Artificial/modified ☐

Vertical/undercut ☒ Resectioned ☐

Vertical + toe ☒ Reinforced - whole bank ☐

Slope (>45°) ☒ Reinforced - top only ☐

Gentle ☒ Reinforced - toe only ☐

Composite ☒ Artificial two-stage ☐

Use this space to draw profile if different from above, after taking predominant bank

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☒ Left ☐ Right ☐ None ☐ Present ☐ None ☐ Present ☐ None ☐ Present ☐

Isolated/scattered ☐ Shading of channel ☐

Regularly spaced, single ☐ Overhanging boughs ☐

Occasional clumps ☐ Exposed bankside roots ☐

Semi-continuous ☐ Underwater tree roots ☐

Continuous ☐ Fallen trees ☐

Associated features (Tick one box per feature)

None ☐ Present ☐ None ☐ Present ☐ None ☐ Present ☐

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterfall(s) - free-fall ☒ None ☐ Present ☐ Marginal deadwater - slack ☐

Cascade(s) - chute ☒ None ☐ Present ☐ Exposed bedrock ☐

Step/pool sequence ☒ None ☐ Present ☐ Exposed boulders ☐

Rapid(s) - whitewater ☒ None ☐ Present ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☒ None ☐ Present ☐ Vegetated mid-channel bars ☐

Rune(s) - disturbed, rippled ☒ None ☐ Present ☐ Manure island(s) ☐

Beil(s) - upwellings ☒ None ☐ Present ☐ Unvegetated side bars ☐

Glide(s) - smooth, no eddies ☒ None ☐ Present ☐ Vegetated side bars ☐

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section; preferably across a)

LEFT BANK Banktop width (m) 1.75 RIGHT BANK

Banktop height (m) 0.5 Water width (m) 3 Banktop height (m) 1.20

Embanked height (m) Water depth (m) 0.2 Embankment height (m)

If trashes lower than banktop break in slope, indicate: height (m) ☐ width (m) ☐

Did material at site in: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1H indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/bank of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ mowing ☐ Other? State: ☐

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1H or E, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: The upper section of this stream appears to have plants of note: bent grasses, although we are not sure. Most of banks are restricted by a fence with a ledge which we think is banked top.

Major impacts: ☐ ☐ ☐

Incidental observations (animals etc): SWAN

IFE channel survey by J. D. H. I. H. C. C. M. L.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐








SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing. Labels supplied separately

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS	
Reference network site number: 3674	
Mid-section grid reference of network site (if different from designated location):	

COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference: TQ7804	River: YARE
Date: 15/6/1995	Time: 15:30
Surveyor name (Print name): J. D. H. I. H. C. C. M. L.	
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state	
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)	
Examine photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) with notes	
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)	

C PREDOMINANT VALLEY FORM (tick one box only)	
	<input type="checkbox"/> shallow vee
	<input type="checkbox"/> deep vee
	<input type="checkbox"/> gorge
	<input type="checkbox"/> concave/bowl
	<input type="checkbox"/> terraced valley floor
	<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> asymmetrical floodplain
+ NOTE: see diagram	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)	
Riffles 4	Unvegetated point bars 0
Pools 0	Vegetated point bars 0

IFE - Mod - See river profile

National Rivers Authority

DATE. Recd	prepared	validated	date/initials
7-11-2016			

Riffles

1999: IEN SPOT CHECKS. Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide area) (4) Mark (5) Intensity (1)

Spot check 1 is at: upstream ☐ of site ☐ of site ☐
 or downstream ☐ of site ☐ of site ☐

LEFT BANK: looking downstream

Mat. BE30, CO, G1, P, C, CC, SP, NV, CL, AR, RW EA EA BA EA EA EA EA EA EA EA

Bank modification(s) ☐ NO, BE, SC, SM, EN NO NO NO NO NO NO NO NO NO NO

Bank feature(s) ☐ NC, NO, EC, SC, NV, SP, SV NO NO NO NO NO NO NO NO NO NO

CHANNEL NOTE: Use sketch of aspect of vegetation

Channel substrate (fine) NV, BE30, CO, CP, P, M, SL, CL, AR SI NV NV SA SA SP SA SP GP SP

Flow type (none) FF, CL, NV, NV, CP, P, M, SL, AR, RW SM SM SM SM SM SM RP RP RP

Channel modification(s) ☐ NC, NO, EC, SC, NV, SP, SV NO NO NO NO NO NO NO NO NO

Channel feature(s) ☐ NO, BA, SL, NV, AL, TR NO NO TR NO NC NO NO NC NO

RIGHT BANK: looking downstream

Mat. BE30, CO, G1, P, C, CC, SP, NV, CL, AR, RW EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☐ NO, BE, SC, SM, EN NO NO NO NO NO NO NO NO NO

Bank feature(s) ☐ NC, NO, EC, SC, NV, SP, SV NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide area)

Land use: choose one from BL, CP, KX, SC, AP, WL, GW, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) SC SC SC SC SC SC SC SC SC SC

LEFT BANK-TOP (structure within 1m) BA/EC S S S S S S S S S S

LEFT BANK FACE (structure) BA/EC U U S S S S S S C C S

RIGHT BANK FACE (structure) BA/EC U U U U U U U U C U U

RIGHT BANK-TOP (structure within 1m) BA/EC S U U U S S U C C U

LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))

NONE (tick) ☒ Plant genus (tick in)

Liverworts ☐ Red ☐

Mosses/Lichens ☐

Emergent broad ☐

leaved herbs ☐

Emergent reeds ☐

sedges/rushes ☐

Floating-leaved ☐

(macrophytes) ☐

Free-floating ☐

Amphibious ☐

Unmatted ☐

Matted-leaved ☐

Unmatted fine ☐

filamentous algae ☐

1999: IEN SPOT CHECKS. Page 2 of 4

AVTS = Use 1st 4 letters of Genus & Pota & Pota notation
+ species if possible as Pota part & Pota notation part

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		RIGHT BANK	
Banktop width (m)	1125	Banktop width (m)	0.6
Banktop height (m)	2.75	Banktop height (m)	0.6
Banked height (m)		Banked height (m)	
Water depth (m)	0.75	Water depth (m)	

If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (F/F₀) only _____

2. ARTIFICIAL FEATURES (Use ☒ to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Forde = _____
Roadbridges = _____ Roadbridges = _____ Other = 1 (road bridge) _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

3. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State _____
weed-cutting ☒ enhancement ☐

4. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL		FLOODPLAIN (50m corridor)	
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Box <input type="checkbox"/>	Other (state) _____
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Care <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fan <input type="checkbox"/>	Flush <input type="checkbox"/>	

5. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

6. NOTABLE NUISANCE PLANT SPECIES (Use ✓ or X)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State *Willow (E)...*

7. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Upstream section flows shallow and rapid with bars*
Plants of note: *Stream has mud clumps and small trees downstream*
Major conservation features: *banks are dominated by trees and had a small*
side-lake environment. Upstream fish cut to Gardens
Major impacts: *of private house and shaded by bankside trees*
Incidental observations (animals etc): *feeding Snailails*

8. DISEASED ALDERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

Envelopes supplied! Post completed films for processing - labels supplied - stamps

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section; preferably across a riffle)			
LEFT BANK	Backstop width (m)	11.25	RIGHT BANK
Backstop height (m)	Water width (m)	8.00	Backstop height (m)
Embanked height (m)	Water depth (m)	0.70	Embanked height (m)
If trail/rifle lower than backstop break in slope, indicate: height (m) _____ width (m) _____			
Bed material at site is: consolidated (compact) <input checked="" type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> unknown <input type="checkbox"/>			
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> either <input type="checkbox"/> pick one box: Slope (11% only) <input type="checkbox"/>			
M. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)			
None <input type="checkbox"/>	Number of Culverts = _____	Weirs = _____	Outfalls = _____
	Footbridges = _____	Roadbridges = _____	Fords = _____
Is water level controlled by weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> Mouth/bolt of site <input type="checkbox"/>			
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)			
drudging <input type="checkbox"/> mowing <input type="checkbox"/> Other? State _____			
wood-cutting <input type="checkbox"/> enhancement <input type="checkbox"/>			
O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)			
CHANNEL			
Waterfalls > 5m high <input type="checkbox"/>	FLOODPLAIN (50m corridor)		
Strained/side channels <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other state? _____
Debris dams <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Curr <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Wetland meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Fen <input type="checkbox"/>	Flash <input type="checkbox"/>	
P. CHOKED CHANNEL: (Tick one box)			
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>			
Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2) _____			
Giant Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? State <u>Nettle (E)</u>			
R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)			
Descriptive account: <u>Upstream section flows shallow and riffled whilst down</u>			
Plants of note: <u>stream was much deeper and much slower. Downstream</u>			
Major conservation features: <u>banks were dominated by Gladiolus sp and had a small</u>			
Major impacts: <u>self-made embankment. Upstream flow next to Corbans</u>			
Incidental observations (animals etc): <u>of private house and shaded by bankside trees.</u>			
Feeding <u>Shallows</u>			
FEZ channel only by both <u>11.25 and 8.0</u>			
DISUSED ALDERKS (Tick one box)			
None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other (named) insect State _____

DRAFT

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY EAST STONE WAREHOUSE, RUGBY

Envelopes supplied! Post completed files for processing - labels supplied + stamps

NRA RIVER HABITAT SURVEY 1995 IFB P-1-A Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3675

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: (JL DH) 1H CC ML

Date: 15/6/1995 Time: 10:00 Surveyor name: G. M. L. V. NO. 16 FND

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with 1/2 m on!

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM. (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + NOTE/modify DIAGRAM

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

IFE = Mod - See survey page 1

National Rivers Authority

DATES: record planned visited date/line

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) Mark (x) in (x) feature (x)

Spot check 1 is at: upstream end of site ☐ of site ☐ (tick one)

LEFT BANK: look in, down stream

Mat. BE, BO, CO, CL, EL, FE, GE, HE, JE, KE, LE, ME, NE, PE, RE, SE, TE, VE, WE, YE, ZE

Bank modification(s) ☐ NO, AI, AL, PC, BM, EM

Bank feature(s) ☐ NO, EC, SC, FC, IF, IS, VS

CHANNEL NOTE: Use the scale of 1 to 10

Channel substrate (one) NV, BE, BO, CO, CL, EL, FE, GE, HE, JE, KE, LE, ME, NE, PE, RE, SE, TE, VE, WE, YE, ZE

Flow type (one) FF, CH, SW, UV, CF, AF, UF, SM, SP, SO

Channel modification(s) ☐ NO, AI, AL, PC, BM, EM

Channel feature(s) ☐ NO, AI, AL, PC, BM, EM

RIGHT BANK: look in, down stream

Mat. BE, BO, CO, CL, EL, FE, GE, HE, JE, KE, LE, ME, NE, PE, RE, SE, TE, VE, WE, YE, ZE

Bank modification(s) ☐ NO, AI, AL, PC, BM, EM

Bank feature(s) ☐ NO, EC, SC, FC, IF, IS, VS

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide banktop)

Land use: choose one from BE, CP, SN, SC, RP, SE, OW, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) NV/SC

LEFT BANK FACE (structure) NV/SC

RIGHT BANK FACE (structure) NV/SC

RIGHT BANK-TOP (structure within 1m) NV/SC

LAND USE WITHIN 5m OF BANKTOP (R)

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use B (2-3% area) or 7 (present))

NONE (tick) Plant species (tick one)

Liverworts ☐ Mosses/lichens ☐ Algae ☐ Emergent broad leaved herbs ☐ Emergent reeds/ sedges/rushes ☐ Floating-leaved (potamogeton) ☐ Free-floating ☐ Amphibious ☐ Submerged - broad-leaved ☐ Submerged fine-leaved ☐ Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V) ↑

PLANTS - Use 1H to 4H of Census of Plants & Vegetation + species if possible as Plant fact & Potamogeton fact

SITE NO. 3675 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or 7 if present)

Broadleaf/maize woodland (BLJ) ☒ Wetland (eg bog, marsh, fen) (WJ) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☒

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☒ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (2-3% banklength) or 7 if present)

Natural/unmodified ☐ Artificial/modified ☐

Vertical/undercut ☐ Resectioned ☐

Vertical + toe ☐ Reinforced - whole bank ☐

Steep (> 45°) ☐ Reinforced - top only ☐

Gentle ☐ Reinforced - toe only ☐

Composite ☐ Artificial two-stage ☐

Use 1H to 4H to draw profile of different from above, after taking predetermined box

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ Notes ☐

Isolated/scattered ☐ Shedding of channel ☐

Regularly spaced, single ☐ Overhanging boughs ☐

Occasional clumps ☐ Exposed bankside roots ☐

Semi-cohesive ☐ Underwater tree roots ☐

Cohesive ☐ Fallen trees ☐

Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐

Cascade(s) - chute ☐ Exposed bedrock ☐

Step/pool sequence ☐ Exposed boulders ☐

Rapids(s) - whitewater ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐

Run(s) - disturbed, rippled ☐ Mature island(s) ☐

Boil(s) - upwellings ☐ Unvegetated side bars ☐

Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your queries from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 2.9 RIGHT BANK

Banktop height (m) 0.55 Water width (m) 2.0 Banktop height (m) 0.40

Embanked height (m) Water depth (m) NK Embanked height (m)

If bankline lower than banktop break in slope, indicate height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1H to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 1 Fords = 0

Footbridges = 0 Roadbridges = 0 Other = 2 Concrete pillars = 0

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/bolt of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box(es))

dredging ☐ moving ☐ Other? State

wood-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1H to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Very urban site. Right bank continuous woodland (BLJ). Left bank scrubby embankment in park with concrete peddling area (see photo), off the side of the river.

Major conservation features: Deep smooth flow. Several areas of bank trash such as bikes, tyres etc. Fishing pegs present on river with fisher men complaining about difficulty to be an ornamental in a garden.

Incidental observations (animals etc): catch 1 Dip Net weed present but seems to be an ornamental in a garden.

IFE 3 channel survey taken 15/6/95

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed files for processing. Labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3676

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T6-267073 River: YARE

Date: 15/11/1995 Time: 12.43

Supervisor name: G. M. L. W. S. P. D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Discontinue photographs: general character? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

IF E - mod - see over 100113

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box per feature)

Spot check 1 is at: upstream ☐ downstream ☒ (tick one)

LEFT BANK (looking downstream)

Mat. BE, BO, CO, G1, E1, FE, CL, CC, SP, VP, GA, BA, AP, BW

Bank modification(s) ☐ NO, RI, NI, PC, BM, EN

Bank feature(s) ☐ AK, NO, EC, JC, PS, VP, SE, VS

CHANNEL NOTE

Channel substrate (one) NV, BE, BO, CO, GP, GA, BA, CL, AR

Flow type (one) FF, CL, BW, VW, CP, AP, UP, SM, AP, NO

Channel modification(s) ☐ NO, NO, RI, NI, DA, FO

Channel feature(s) ☐ NO, NO, RI, NI, VA, JO, TR

RIGHT BANK (looking upstream)

Mat. BE, BO, CO, G1, E1, FE, CL, CC, SP, VP, GA, BA, AP, BW

Bank modification(s) ☐ NO, RI, NI, PC, BM, EN

Bank feature(s) ☐ AK, NO, EC, JC, PS, VP, SE, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, SH, SC, NP, VE, OW, NO, TL, TV

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUS/C

LEFT BANK FACE (structure) BAUS/C

RIGHT BANK FACE (structure) BAUS/C

RIGHT BANK-TOP (structure within 1m) BAUS/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with an entry: use E (in 33% area) or / (present))

NONE (tick)

Liverworts ☐ Mosses/lichens ☐ Emergent broad-leaved herbs ☐ Emergent reeds/sedges/rushes ☐ Floating-leaved (rooted) ☐ Free-floating ☐ Amphibious ☐ Submerged - broad-leaved ☐ Submerged fine-leaved ☐ Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANT S - Use 1/10 to 1/100 of biomass or 1/10 to 1/100 of cover + species of possible eg. Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or / if present)

Broadleaf/mixed woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WJ) ☒

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☐ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I BANK PROFILES (Use E (in 33% banklength) or / if present)

Natural/unmodified ☐ Artificial/unmodified ☐

Vertical/undercut ☐ Resectioned ☐

Vertical + toe ☐ Reinforced - whole bank ☐

Steep (>45°) ☐ Reinforced - top only ☐

Gentle ☐ Reinforced - toe only ☐

Composite ☐ Artificial two-stage ☐

Use 1/10 space to draw profile of different from above, after using predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ W/T/E

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E > 33%

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐

Cascade(s) - chute ☐

Step/pool sequence ☐

Rapid(s) - whitewater ☐

Riffle-pool sequence ☐

Ruin(s) - disturbed, rippled ☐

Boil(s) - upwellings ☐

Glides(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES: Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Bank top width (m) 10m

Banktop height (m) 0.45

Water depth (m) 1.0m

Water depth (m) 1.0m

Banktop height (m) 0.30

Embankment height (m) 1.0m

Embankment height (m) 1.0m

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (1/1000) 1/1000

M ARTIFICIAL FEATURES (Use 1/10 to 1/100 of banklength; tick 'none' where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Ponds = 0

Footbridges = 0 Roadbridges = 0 Other = 0

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/10 to 1/100 of banklength; tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use phrases and key words as appropriate)

Descriptive sentence: A LARGE RIVER USED FOR FISHING AND RECREATION.

Plants of note: CRAB, RED ALDER, BANK WIDE WOOD FOR MOORING.

Major conservation features: LEFT BANK CONSIDERED BY NETWORK. LEFT BANK (WAT) NENE SPOT CHECK 1) NO A SET-BANK ADJUSTED PLANT.

Major impacts:

Incidental observations (animals etc): CREEP, MALLARDS

IF E - channel survey by the D. P. L. D. J.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied.

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: IF & FWD Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 327 3599
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML

Grid Reference: T 1 3 C 1 3 River: 1
Date: 11/1995 Time: 10:00 Supervisor name: TS, TW, FM, LA, AK, TM
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) 5-10 m
Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave bowl ☐ + notes: none

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles ☐ Unvegetated point bars ☐
Pools ☐ Vegetated point bars ☐

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☐ Pools ☐ Unvegetated point bars ☐ Vegetated point bars ☐

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (tick one box)

Spot check 1 is at upstream end of site (tick one box)

LEFT BANK: 1 2 3 4 5 6 7 8 9 10
Bank modification(s) ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Bank feature(s) ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
CHANNEL NOTE: None
Channel substrate (one) NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Flow type (one) NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Channel modification(s) ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Channel feature(s) ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
RIGHT BANK: 1 2 3 4 5 6 7 8 9 10
Bank modification(s) ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Bank feature(s) ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from PL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL

LAND USE WITHIN 5m OF BANKTOP (L) 1 2 3 4 5 6 7 8 9 10
LEFT BANK-TOP (structure within 1m) 1 2 3 4 5 6 7 8 9 10
LEFT BANK FACE (structure) 1 2 3 4 5 6 7 8 9 10
RIGHT BANK FACE (structure) 1 2 3 4 5 6 7 8 9 10
RIGHT BANK-TOP (structure within 1m) 1 2 3 4 5 6 7 8 9 10
LAND USE WITHIN 5m OF BANK TOP (R) 1 2 3 4 5 6 7 8 9 10

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with tick one box; tick one box)

NONE ☐ Plant species (tick one box)

Emergent broad-leaved herbs ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Submerged broad-leaved herbs ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Free-floating ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Amphibious ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Submerged fine-leaved herbs ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL
Flowering algae ☐ NO, AL, CL, EL, FL, GL, PL, SL, TL, VL, WL, XL, YL, ZL

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

1 2 3 4 5 6 7 8 9 10

Broadleaf/deciduous woodland (BL) ☐ Wetland (eg bog, marsh, fen) (W) ☐
Coniferous plantation (CP) ☐ Open water (OW) ☐
Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐
Scrub (SC) ☐ Tilled land (TL) ☐
Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

Natural/unmodified 1 2 3 4 5 6 7 8 9 10 Artificial/modified 1 2 3 4 5 6 7 8 9 10
Vertical/unmodified 1 2 3 4 5 6 7 8 9 10 Retention 1 2 3 4 5 6 7 8 9 10
Vertical + toe 1 2 3 4 5 6 7 8 9 10 Reinforced - whole bank 1 2 3 4 5 6 7 8 9 10
Steep (>45°) 1 2 3 4 5 6 7 8 9 10 Reinforced - top only 1 2 3 4 5 6 7 8 9 10
Grass 1 2 3 4 5 6 7 8 9 10 Reinforced - toe only 1 2 3 4 5 6 7 8 9 10
Composite 1 2 3 4 5 6 7 8 9 10 Artificial in-situ 1 2 3 4 5 6 7 8 9 10
(Use this space to draw profile of difference from above, after cutting predominant bank)

III. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☐ Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel ☐ Overhanging boughs ☐ Exposed backside roots ☐ Understorey tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

IV. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterfalls (free-fall) ☐ Cascades (chute) ☐ Scum/pool sequences ☐ Rapids (whirlwinds) ☐ Riffle-pool sequences ☐ Root(s) - disturbed, exposed ☐ Bank(s) - uprootings ☐ Glides (smooth, no eddies) ☐

Marginal backwater - slack ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK 1 2 3 4 5 6 7 8 9 10 RIGHT BANK 1 2 3 4 5 6 7 8 9 10
Banktop width (m) 0.35 Water width (m) 0.35 Banktop height (m) 0.35
Banktop height (m) 0.35 Water depth (m) 0.35 Embankment height (m) 0.35
If embankment lower than banktop break in slope, indicate: height (m) 0.35 width (m) 0.35

Bad material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (1/E or 1/F)

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Forls = 0
Footbridges = 0 Roadbridges = 0 Other = 0
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dragging ☐ moving ☐ Other? None
weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None
Bridled/side channels ☐ Natural open water ☐ Cuts ☐
Debris dams ☐ Wetland/marsh ☐ Marsh ☐
Leafy debris ☐ Fens ☐ Flush ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use E or F (in 33% banklength) or F if present)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? None

R. BRIEF DESCRIPTION (Use prompts and key words of appropriate)

Descriptive summary: None
Plant of note: None
Major conservation features: None
Major impacts: None
Incidental observations (animals etc): None

S. DISEASED ALPERS (tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? None

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing (labels supplied)

Have you completed your request form this week? (send to FWD for signature!)

DATES. Recd 12.5
3-15-76

PLANTS - Use at least 4 letters of genus & Pota & Pota negation
+ species if possible eg Pota pest & Pota negation pestivator

Have you completed your expenses for this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied - 15¢/roll

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary 1/6 Navigation 1/6

B FIELD SURVEY DETAILS

Reference network site number: 3680

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S N 8 5 9 9 7 River: TWYMYN

Date 7.1.95 Time: 17.50 Surveyor name: G. C. M. L. V. 1/6 P. 2/6

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

Photographs: general character? No Yes (tick one box) with site log on!

Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

shallow vee deep vee gorge concave/bowl

terraced valley floor symmetrical floodplain asymmetrical floodplain

+ Notes/notes: To 1/2 shallow V.

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total numbers)

Riffles 18 Unvegetated point bars 3

Pools 4 Vegetated point bars

IFE: 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

National Rivers Authority

DATES: record 12.5 framed validated before checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 1/1 Pools 1/1 Unvegetated point bars 1/1 Vegetated point bars 1/1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Spot check 1 is at: upstream end of site (tick one) downstream end of site (tick one)

LEFT BANK (looking downstream)

Bank material (fine) PE, SO, CO, CL, EA, FE, GL, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

Bank modification(s) NO, R, L, P, C, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

Bank feature(s) NO, R, L, P, C, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

CHANNEL NOTE: Use 1/1 to 1/10 to indicate aspect of channel

Channel substrate (fine) NO, R, L, P, C, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

Flow type (fine) IF, CL, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

Channel modification(s) NO, R, L, P, C, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

Channel feature(s) NO, R, L, P, C, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

RIGHT BANK (looking downstream)

Bank material (fine) PE, SO, CO, CL, EA, FE, GL, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

Bank modification(s) NO, R, L, P, C, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

Bank feature(s) NO, R, L, P, C, B, M, E, N, 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, IO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

LEFT BANK-TOP (structure within 1m) 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

LEFT BANK FACE (structure) 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

RIGHT BANK FACE (structure) 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

RIGHT BANK-TOP (structure within 1m) 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

LAND USE WITHIN 5m OF BANKTOP (R) 1/1, 2/2, 3/3, 4/4, 5/5, 6/6, 7/7, 8/8, 9/9, 10/10

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% area) or A (present))

NONE (tick) Plant genera (tick one)

Emergent broad-leaved herbs

Emergent reeds/sedges/rushes

Floating-leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filament, algae

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A) ↑

PLANTS - Use 1/1 to 1/10 to indicate aspect of channel + species if possible of both parts of botanical part

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (to E (to 33% banklength) or A if present)

Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WJ)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (to 33% banklength) or A if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut 1/1 E E Resettled

Vertical + toe 1/1 Reinforced - whole bank

Steep (> 45°) 1/1 Reinforced - top only

Gentle 1/1 Reinforced - toe only

Composite 1/1 Artificial two-stage

Use this space to draw profile of channel from above, after filling predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES (Tick one box per bank) Left Right

None Isolated/scattered Regularly spaced, single Occasional clumps Semi-continuous Continuous

ASSOCIATED FEATURES (Tick one box per feature) None Present E

Shading of channel Overhanging boughs Exposed bankside roots Underwater tree roots Fallen trees Coarse woody debris

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E

Waterfall(s) - free-fall Cascades(s) - chute Step-pool sequence Rapid(s) - whitewater Riffle-pool sequence Run(s) - disturbed, rippled Boil(s) - upwellings Glides(s) - smooth, no eddies

Marginal deadwater - slack Exposed bedrock Exposed boulders Unvegetated mid-channel bars Vegetated mid-channel bars Mature island(s) Unvegetated side bars Vegetated side bars

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 8.75 RIGHT BANK

Banktop height (m) 1.0 Water width (m) 6.75 Banktop height (m) 1.0

Enhanced height (m) Water depth (m) 0.5 Enhanced height (m)

If trashline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box) Slope (IFE only) 3/4

M ARTIFICIAL FEATURES (Use 1/1 to indicate total number, tick 'none' where appropriate)

None Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No Part of site Other (tick one box)

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging mowing Other? State

weed-cutting enhancement

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high Artificial open water Bog Other (state)

Braided/side channels Natural open water Curt Marsh

Debris dams Water meadow Fen Flush

Leafy debris

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO YES

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 to indicate total number, tick 'none' where appropriate)

Giant Hogweed Himalayan Balsam Japanese Knotweed Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: River damaged by a bad work, will change to a riffle reach - large river - large meandering drift on left bank - very active rap

Plants of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE: 2/2 channel rough bottom, 3/3 filtered to

S DISEASED ALGAE (Tick one box)

None Present Extensive Other diseased trees? State

SEND COMPLETED FORM TO: RICH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: IFE - P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? NO Navigation ? NO

B FIELD SURVEY DETAILS

Reference network site number: 3681

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: S 49 46 909 River: IRANON

Date 1.9.1995 Time: 07.00 Surveyor name: W. J. P. H. 16 AK 700

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: 6-6 m/s 40-100 FWD

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with side view!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☒ concave/bowl + notes on diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 13 Unvegetated point bars

Pools 5 Vegetated point bars

IFE - m.d. - 500 (over 1000)

National Rivers Authority

JMES. Recd 125 found valid data

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 13 Pools 5 Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one box)

LEFT BANK (looking down stream)

Bank material (fine) FE, PO, CO, GL, LA, JE, CL

Bank modification(s) ☒ NO, SL, PL, FC, BM, EM

Bank feature(s) ☒ NO, NO, EC, SC, FP, VP, AB, VT

Channel note: Use, bank, etc. for

Channel substrate (fine) FE, PO, CO, GL, LA, JE, CL

Flow type (fine) FE, CL, PO, CO, GL, LA, JE, CL

Channel modification(s) ☒ NO, NO, SL, PL, FC, BM, EM

Channel feature(s) ☒ NO, NO, SL, PL, FC, BM, EM

RIGHT BANK (looking down stream)

Bank material (fine) FE, PO, CO, GL, LA, JE, CL

Bank modification(s) ☒ NO, SL, PL, FC, BM, EM

Bank feature(s) ☒ NO, NO, EC, SC, FP, VP, AB, VT

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, HH, SC, RP, WL, OW, AG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) RUSC

LEFT BANK FACE (structure) RUSC

RIGHT BANK-TOP (structure within 1m) RUSC

RIGHT BANK FACE (structure) RUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or I (present))

NONE (tick)

Plant species (tick one box)

Liverworts ☒

Mosses/lichens ☒

Emergent broad-leaved herbs ☒

Emergent reeds/papyrus ☒

Floating-leaved (rooted) ☒

Free-floating ☒

Amphibious ☒

Submerged - broad-leaved ☒

Submerged fine linear-leaved ☒

Filament, algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or I)

NOTES - Use 1-11 ticks of boxes to indicate vegetation + species if possible eg Pota peck's Potamogeton perfoliatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or I if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WL)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or I if present)

Natural/unmodified

Vertical/undercut

Vertical + toe

Steep (> 45°)

Oscille

Composite

Artificial/modified

Reinforced

Reinforced - whole bank

Reinforced - top only

Reinforced - toe only

Artificial two-stage

Poached

Embanked

Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☒

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☒

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shedding of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒

Cascade(s) - chute ☒

Step/pool sequences ☒

Rapid(s) - whitewater ☒

Riffle-pool sequences ☒

Run(s) - disturbed, rippled ☒

Beil(s) - upwellings ☒

Glide(s) - smooth, no eddies ☒

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 12.40

Banktop height (m) 1.45

Water width (m) 10.0

Water depth (m) 0.8

Banktop height (m) 1.45

Embankment height (m)

If trathline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 2.5%

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☒ Culverts = 0 Weirs = 0 Outfalls = 0

Footbridges = 0 Roadbridges = 0 Other = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State: ...

wood-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Braided/side channels ☐

Debris dams ☐

Leafy debris ☐

FLOODPLAIN (50m corridor)

Artificial open water ☐

Natural open water ☐

Water meadow ☐

Fen ☐

Bog ☐

Carr ☐

Marsh ☐

Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use I or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State: ...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: The bank side river with bedrock, flowing through

Plants of note: ...

Major conservation features: ...

Major impacts: ...

Incidental observations (animals etc): ...

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other disease trees? State: ...

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on site

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Fluvial category _____
 Distance from source (km) _____ Significant tributary? ☒ Navigation? ☒

B. FIELD SURVEY DETAILS

Reference network site number: **3684**
 Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **S 0 2 7 6 9 3** River: **CHAMPA**
 Date: **21.5.1995** Time: **10.00 AM** Surveyor name: **TS. J. (PH) 16 AX 760**
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____
 Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☒ (tick one box) **See N. 100 m!**
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other: _____

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use ☒ if then indicate total number)

Riffles **6** Unvegetated point bars **3**
 Pools **6** Vegetated point bars _____
 (See note - see survey notes)

National Rivers Authority

DATES: Record **25** planned **16/10/95** checked **16/10/95** details **16/10/95**

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one box)

LEFT BANK	1	2	3	4	5	6	7	8	9	10	RIGHT BANK
Bank material (fine)	GA	EA	GA	EA	GA	EA	GA	EA	GA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
Channel substrate (fine)	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Flow type (fine)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	GA	EA	GA	EA	GA	EA	GA	EA	GA	EA	EA
Bank material (fine)	GA	EA	GA	EA	GA	EA	GA	EA	GA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, HL, SP, RP, WL, GP, NL, TL, PV

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
LEFT BANK FACE (structure)	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
RIGHT BANK FACE (structure)	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
RIGHT BANK-TOP (structure within 1m)	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
LAND USE WITHIN 5m OF BANKTOP (R)	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use R (in 10% area) or G (green))

VEGETATION TYPE	1	2	3	4	5	6	7	8	9	10
NONE (tick)										
Liverwort/algae										
Emergent broad-leaved herbs										
Emergent reed/sedge/scrub										
Flowering-leaved (floating)										
Free-floating										
Amphibious										
Submerged - broad-leaved										
Submerged fine-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

Notes: Use 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F (if present))

LAND USE	E	F	LAND USE	E	F
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/best-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (in 33% banklength) or F (if present))

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unfettered			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Step (>45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Preached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present	Notes
None			Shading of channel			
Isolated/scattered			Overhanging boughs			
Regularly spaced, single			Exposed bankside roots			
Occasional clumps			Underwater tree roots			
Semi-coniferous			Fallen trees			
Coniferous			Coarse woody debris			

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Channel Feature	None	Present	Channel Feature	None	Present	Notes
Waterfall(s) - freefall			Marginal deadwater - slack			
Cascade(s) - chute			Exposed bedrock			
Step/pool sequence			Exposed boulders			
Rapid(s) - whitewater			Unvegetated mid-channel bars			
Riffle-pool sequence			Vegetated mid-channel bars			
Run(s) - disturbed, rippled			Mature island(s)			
Bank(s) - upwelling			Unvegetated side bars			
Glide(s) - smooth, no eddies			Vegetated side bars			

Have you completed your expenses from this week? (send to PHD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	4.50	RIGHT BANK
Banktop height (m)	1.0	Water width (m)	2.0
Embanked height (m)		Water depth (m)	0.25
		Embanked height (m)	
		If trashline lower than banktop break in slope, indicate height (m) width(m)	
		Bed material at site: consolidated (temp) <input checked="" type="checkbox"/> unconsolidated (fine) <input type="checkbox"/> unknown <input type="checkbox"/>	
		Location of measurement in: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (10% only) 2°	

M. ARTIFICIAL FEATURES (Use ☒ if then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = **1** Weirs = **1** Outfalls = **0** Fords = **0**
 Footbridges = **1** Roadbridges = **0** Other = **0**
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: _____
 weed-cutting ☐ enhancement ☐ A little general roughening of banks

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL
 Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor)
 Braided/vide channels ☐ Artificial open water ☐ Bog ☐ Other (state): _____
 Debris dams ☐ Natural open water ☐ Carr ☐
 Leafy debris ☐ Water meadow ☐ Marsh ☐
 Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE SENSITIVE PLANT SPECIES (Use / or R)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: **Very high > 20m. Left bank. Riffle bed. Pool bed. Riffle sequence. Pools in left bank. Pools in right. Pools in active river.**
 Plants of note: _____
 Major conservation features: **Bank with some uniform fish habitat.**
 Major impacts: **Bank in left bank.**
 Incidental observations (animals etc): **See N. 100m.**
 IF 2 chemical samples taken ☒ filtered ☐

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKK, WAREHAM, BH20 4BB

Envelopes supplied! Post completed form for processing. Labels supplied.

NRA RIVER HABITAT SURVEY 1995: 1st of 4 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope(m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3685
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: 50341951 River: WEST ONNY
Date 8.5.1995 Time: 13.10 Surveyor name: G. C. M. W. P. 14 AK 70m
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Dredge photographs: general character? No ☐ Yes ☒ (tick one box) with 10m beam!
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain
☐ concave/bowl ☐ + notes/mh 7m beam

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles 14 Unvegetated point bars
Pools Vegetated point bars
IFE - (see code 10013)

National Rivers Authority

DATES: record 125 prepared validated duplicate checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end of section ☒ (tick one)
1 2 3 4 5 6 7 8 9 10 11

LEFT BANK (to be assessed across channel within a 1m wide zone)

Bank material (fine) ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
Bank material (coarse) ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
Bank features ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
CHANNEL NOTE: Use 1H then indicate total number
Channel substrate (fine) ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
Flow type (fine) ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
Channel modification ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
Channel features ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
RIGHT BANK (to be assessed across channel within a 1m wide zone)
Bank material (fine) ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
Bank material (coarse) ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
Bank features ☒ NO, CO, CL, S, F, L, G, P, M, B, N, V, W, Y, Z
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)
Land use: choose one from BL, CP, FH, IC, PP, SL, SW, TL, TV
LAND USE WITHIN 5m OF BANKTOP (L) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G
LEFT BANK TOP (structure within 1m) BAUC 1 1 1 1 1 1 1 1 1 1 1
LEFT BANK FACE (structure) BAUC 1 1 1 1 1 1 1 1 1 1 1
RIGHT BANK FACE (structure) BAUC 1 1 1 1 1 1 1 1 1 1 1
RIGHT BANK TOP (structure within 1m) BAUC 1 1 1 1 1 1 1 1 1 1 1
LAND USE WITHIN 5m OF BANK TOP (R) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B for 33% area or 1/3 present)

NONE (tick) ☒ Plant species (tick one)
Emergent broad-leaved ☒
Emergent narrow-leaved ☒
Emergent sedge ☒
Floating-leaved ☒
Free-floating ☒
Amphibious ☒
Submerged broad-leaved ☒
Submerged fine-leaved ☒
Filamentous algae ☒
Use the end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use 1H then indicate total number
+ species if possible of plants present

Repeat 1
SITE NO. 3685 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E for 33% banklength or 1/3 present)

Broadleaved woodland (BL) Wetland (eg bog, marsh, fen) (WJ)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E for 33% banklength or 1/3 present)

Natural/unmodified L R Artificial/modified L R
Vertical/undercut ☒ ☒ Reinforced ☒
Vertical + toe ☒ Reinforced - whole bank ☒
Steep (> 45°) ☒ Reinforced - top only ☒
Gentle ☒ Reinforced - toe only ☒
Composite ☒ Artificial two-stage ☒
Use this space to draw profile of different from above, other setting predetermined here
Perched ☒
Embanked ☒
Set-back embankments ☒

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)
None ☒ Left ☒ Right ☒
Isolated/scattered ☒
Regularly spaced, single ☒
Occasional clumps ☒
Semi-continuous ☒
Continuous ☒
ASSOCIATED FEATURES (Tick one box per feature)
None ☒ Present ☒
Shading of channel ☒
Overhanging boughs ☒
Exposed bankside roots ☒
Underwater tree roots ☒
Fallen trees ☒
Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☒ None ☒ Present ☒
Cascades(s) - chute ☒ Marginal deadwater - slack ☒
Step-pool sequences ☒ Exposed bedrock ☒
Rapid(s) - whitewater ☒ Exposed boulders ☒
Riffle-pool sequences ☒ Unvegetated mid-channel bars ☒
Runs(s) - disturbed, rippled ☒ Vegetated mid-channel bars ☒
Boils(s) - upwellings ☒ Natural island(s) ☒
Glides(s) - smooth, no eddies ☒ Unvegetated side bars ☒
Vegetated side bars ☒

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 5.50 RIGHT BANK
Banktop height (m) 1.00 Water width (m) 2.50 Banktop height (m) 0.95
Embanked height (m) Water depth (m) 0.10 Embanked height (m)
If trashline lower than banktop break in slope, indicate: height (m) 0.50 width (m) 3.50
Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 3%

M ARTIFICIAL FEATURES (Use 1H then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = Roadbridges = Outfalls = Fords =
Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pin ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1H then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:
R BRIEF DESCRIPTION (Use prompts and key words as appropriate) The Sediment
Descriptive notes: 10m wide stream flowing through parkland. Some of banks are
Plants of note: Bank forested with tall side plantation on left bank.
Major conservation features:
Major impacts:
Incidental observations (animals etc):
IFE 2 channels only ☒ Filtered ☒
DISEASED ALGAE (tick one box)
None ☒ Present ☐ Extensive ☐ Other diseased trout ☐ State:
SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for processing. Labels supplied separately

Have you completed your entries from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: IFB, P, J, A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary ? ☒ Navigation ? ☒

B FIELD SURVEY DETAILS

Reference network site number: 3686

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 50 481996 River: COUND BROOK

Date 8.5.1995 Time: 11.30 Surveyor name: T.B. J.W. (H) L.A.K. T.B.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) 50m 1/2 on 1

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [H] then indicate total number)

Riffles 12 Unvegetated point bars 4

Pools 2 Vegetated point bars _____

IFE, P, J, A = See notes (p. 12)

National Rivers Authority

Notes: head 125 named unlisted ditches

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 12 Pools 2 Unvegetated point bars 4 Vegetated point bars _____

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is an upstream and downstream (tick one box)

	1	2	3	4	5	6	7	8	9	10	11	12
Bank material (fine)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (coarse)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate (fine)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate (coarse)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type (fine)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modification(s)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (fine)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank material (coarse)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s)	EA	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from AL, CP, SW, SC, SP, WL, OW, JO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use R (to 33% area) or J (greater))

Plant genera (tick one)	1	2	3	4	5	6	7	8	9	10	11	12
None												
Alnus												
Salix												
Populus												
Ulmus												
Fraxinus												
Corylus												
Castanea												
Quercus												
Alnus												
Salix												
Populus												
Ulmus												
Fraxinus												
Corylus												
Castanea												
Quercus												

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANT 5 - Use tick to denote presence of plant species + species if possible of plant part + botanical justification

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or J (greater))

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WJ)		
Coniferous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or J (greater))

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (>45°)			Reinforced - toe only		
Grass			Artificial two-stage		
Composites			Peached		
Use this space to draw profile if it differs from above, after getting permission box					
	Embanked				
	Set-back embankments				

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	WATER	Associated features (Tick one box per feature)	None	Present E	Notes
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Stem-contiguous				Fallen trees			
Continuous				Coarse woody debris			

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E	Notes
Waterfall(s) - free-fall			
Canoe(s) - chute			
Step-pool sequence			
Rapid(s) - whitewater			
Riffle-pool sequence			
Run(s) - disturbed, rippled			
Bell(s) - upwelling			
Glide(s) - smooth, no eddies			
Marginal dead-water - slack			
Exposed bedrock			
Exposed boulders			
Unvegetated mid-channel bars			
Vegetated mid-channel bars			
Marsh island(s)			
Unvegetated side bars			
Vegetated side bars			

Have you completed your species form this week? (Send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	7.50	RIGHT BANK
Banktop height (m)	0.70	6.75	Banktop height (m)
Banktop width (m)	0.70	0.10	Banktop width (m)
Banktop height (m)	0.70	0.10	Banktop height (m)

If transect lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use [H] indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Other ☐ (tick one box)

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ weeding ☐ Other? State: _____

weed-cutting ☐ herbicide ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box)

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Beg ☐ Other (state): _____

Grassed/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use [H] indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? State: _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: Small actively running stream, narrow, fast flowing through grassland

Plants of note: _____

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): _____

IFE, P, J, A = See notes (p. 12)

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied 450g

DATE	hour	125	110000	110000	110000
1-10-72	12	125	110000	110000	110000

PLANTS - Use 1st 4 letters of Genus → Pota, Potangeton
+ species if possible → Pota pest & Potangeton pestimatus

Yes - you completed your exam for this week? (and to FUD for sure!) ☒

 $\text{Fe}(\text{SO}_4)_2 \cdot 7\text{H}_2\text{O}$

ENCLOSURE 76 Envelopes supplied! Post completed films for processing - labels supplied as requested

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source (km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3688

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SD 674305 River: BORLE BROOK

Date: 12/15/1995 Time: 14:00 Surveyor name: JB, JH, PH, LK, AK, JH

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) See notes!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use IFE then indicate total number)

Riffles 11 Unvegetated point bars

Pools 10 Vegetated point bars 1

IFE = 10 + 1 = 11 National Rivers Authority

DATE: record prepared validated checked

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles (1-10) Pools (1-10) Unvegetated point bars (1-10) Vegetated point bars (1-10)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK (tick one)

Bank material (fine) FE, CO, CL, SL, CL, CL

Bank modification(s) ☒ NO, SL, CL, CL, CL

Bank feature(s) ☒ NO, NO, CL, CL, CL, CL

CHANNEL NOTE: Use bank profile to assess channel

Channel substrate (fine) FE, CO, CL, SL, CL, CL

Flow type (fine) FE, CO, CL, SL, CL, CL

Channel modification(s) ☒ NO, NO, CL, CL, CL, CL

Channel feature(s) ☒ NO, NO, CL, CL, CL, CL

RIGHT BANK (tick one)

Bank material (fine) FE, CO, CL, SL, CL, CL

Bank modification(s) ☒ NO, SL, CL, CL, CL

Bank feature(s) ☒ NO, NO, CL, CL, CL, CL

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from IL, CL, SL, CL, SL, CL, SL, CL, SL, CL

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) FE, CO

LEFT BANK FACE (structure) FE, CO

RIGHT BANK FACE (structure) FE, CO

RIGHT BANK-TOP (structure within 1m) FE, CO

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (2-3% area) or P (present))

NONE (tick one)

Liverwort ☒ Plant genus (tick one)

Emergent broad-leaved herbs ☒ Epilobium

Emergent narrow-leaved herbs ☒ Epilobium

Emergent sedge ☒ Epilobium

Emergent grass ☒ Epilobium

Free-floating ☒ Epilobium

Amphibious ☒ Epilobium

Submerged ☒ Epilobium

Submerged float ☒ Epilobium

Filement, algae ☒ Epilobium

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use IFE to indicate types of plants in vegetation + species if possible of Poles, peat, a Polyanthus, perennials

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3688

H LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or P if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (2-3% banklength) or P if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial/unmodified		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced + whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use this space to draw profile if different from above, after taking predetermined box			Preached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	Left	Right	NOTES	None	Present	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	NOTES
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Exposed backside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	NOTES
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED CHANNEL FEATURES (Tick one box per feature)

	None	Present	NOTES
Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<u>0.75</u>	Banktop height (m) <u>1.5</u>
Embarked height (m)	<u>0.05</u>	Embarked height (m) <u>0.05</u>
Water width (m)	<u>3.5</u>	Water depth (m) <u>0.05</u>
Water depth (m)	<u>0.05</u>	Banktop width (m) <u>1.5</u>

If trawling lower than banktop break in slope, indicate: height (m) 0.05 width (m) 1.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use IFE to indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weirs/dams downstream? No ☐ Part of site ☒ Mouth hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drogging ☐ mowing ☐ Other 7 State None

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use IFE or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Diverse channel, complicated by small islands in

Plants of note (see IFE): None

Major conservation features: Wooded sides - Gully

Major impacts: Dam/wire > lower section step/pool

Incidental observations (animals etc): None

IFE checked only by FWD ☒

DISAPPEARED ALDERS (Tick one box)

None ☐ Present ☒ Extensive ☐ Other (state) None

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied 45000

Envelopes supplied! Post completed form for processing. Labels supplied 45000

DATES. Record
1-10-1-72

PLANTS - Use 1st 4 letters of genus & Pota = Potamogeton
+ species if possible eg Pota. pect = Potamogeton pectinatus

Have you completed your expenses for this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing - labels required as above

DATE, Record	prepared	initialed	date/time checked
1950:10.16			

PLANTS - Use 1st 4 letters of Genus or Pota + Pota + vegetation
+ species if possible eg Pota feet + Pota + vegetation + pestinationis

Have you completed your exercises for this week? (send to FND for signature!)








7-11-17 Envelopes supplied! Post completed files for processing - labels supplied + strips

DATE	Record	processed	validated	delivered checkbox
2/24/2017				

PLANTS - Use 1st 4 litres of biomass of *Potamogeton* + species if possible of *Potamogeton* & *Potamogeton* *perfoliatus*

Have you completed your expenses from this week? (send to FND for signature!)

Envelopes supplied! Post completed films for processing - labels supplied as above

BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ? <input type="radio"/>	Navigation ? <input type="radio"/>	
B FIELD SURVEY DETAILS			
Reference network site number: <u>3692</u>			
Mid-section grid reference of network site if different from designated location:			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>SP07S920</u>	River: <u>TANE</u> TB TW PH LG AK 70w		
Date <u>1.6</u> /1995 Time: <u>15.30</u>	Surveyor name <u>(under salt) G.C. M.L.V. NO 116 F.W.D.</u>		
Adverse conditions affecting survey?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state		
Bed of river visible?	No <input checked="" type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)		
Insert photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)	Special features: <u>return with required if failures?</u> <u>with Salt lly on Bank</u>		
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)			
C PREDOMINANT VALLEY FORM (tick one box only)			
 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor		
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain		
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain		
 <input type="checkbox"/> concave/bowl	+ notes/draw diagram		
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use [] then indicate total number)			
Riffles <u>1</u>	Unvegetated point bars		
Pools	Vegetated point bars		

IF = 10 x 1 - SEE USE POINT 1)

DATES. Received

1. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LIFT BANK	Backstop width (m)	9.5	RIGHT BANK	15' 0	
Backstop height (m)	1.0	Water width (m)	9.5	Backstop height (m)	1.50
Embankment height (m)		Water depth (m)	0.75	Embankment height (m)	

If trashline lower than backstop break in slope, indicate: height (m) 0.25 width(m) 16.5

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ either ☐ slick one bank ☐ Slope (IFE only) 2'.

M. ARTIFICIAL FEATURES (Use ☐ to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 0 Outfalls = 5. Foods =
 Featherbeds = 0 Rebarridges = 0 Other =
 Is water level controlled by weir/dam down stream? No ☐ Part of site ☐ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

droding ☐ moving ☐ Other 7 State
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)
Braided/deep channels <input type="checkbox"/>	Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/> Flush <input type="checkbox"/>

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use ☐ or ☒ tick ☐ should have Freshwater)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other 7 State

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate) The Sentence(s)

Descriptive sentence: Recession has flowing river too shallow to account
in the flows which has hydraulic reach, very wet muddy banks.
Small of narrow and essential touch.
Gaining along most of bank
Major conservation features: Long of great Mb. Right bank. 2nd and 3rd at night
 Major impacts:
 Incidental observations (animals etc):

IF 2 channel only by letter D filled ☒

S. DISEASED TREES (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6B

I LAND USE WITHIN Stream BankTOP Use E (≥ 33% banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/pasture/grazed grass (IG)		E
Soddy (SG)	<input checked="" type="checkbox"/>		Tilled land (TL)		
Rough pasture (RP)		<input checked="" type="checkbox"/>	Scrubland/low development (SL)	E	E

J BANK PROFILES Use E (≥ 33% banklength) or / if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/cutbank			Rationalized		
Vertical + toe			Reinforced - whole bank		E E
Steep (>45°)		<input checked="" type="checkbox"/>	Reinforced - top only		
Gully			Reinforced - toe only		E E
Composite			Artificial two-stage		E E
Use this space to draw profiles of different forms above, after clearing predetermined box			Patched		
			Embanked		
			Set-back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%	None	Present H	NOTES
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

L EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present H	Notes
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cascades	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Dell(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stagnant dead-water - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses for this week? (send to FH for signature!)

CHANNEL DIMENSIONS: Is measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK	Channel width (m)	RIGHT BANK	
Backstop height (m)	1.0	Backstop height (m)	1.5
Embankment height (m)		Embankment height (m)	
Water width (m)	0.75	Water depth (m)	0.25
Water depth (m)		Backstop width (m)	1.65

If trashline lower than backstop break in slope, indicate: height (m) 0.25 width (m) 1.65

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ pick one box; Slope (IFE only) 2%

M ARTIFICIAL FEATURES (Use ☒ indicate total number, tick "none" where appropriate)

Neas <input type="checkbox"/>	Number of Culverts = <input type="checkbox"/>	Weirs = <input type="checkbox"/>	Outfalls = 5 <input type="checkbox"/>	Ferds = <input type="checkbox"/>
	Featrbridges = <input type="checkbox"/>	Featrbridges = <input type="checkbox"/>	Other = <input type="checkbox"/>	

Is water level controlled by weirs/dam downstream? No ☒ Part of site ☐ V. Test/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m territory)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Broadside channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Care <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Pluch <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use ☒ or H ☐ with *italic* for *exotic*)

Glant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input checked="" type="checkbox"/>	Other? State
--	---	---	--------------------

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Sediment?)

Descriptive sentence: Resection for flowing near the edge bank is occurred.
Place: River which is happened near the middle bank.
Sentence of sentence is associated with the. Gaining along middle bank.
Major conservation features: Very adjacent to the left bank. Indicated with a night.
Major impacts: Indicated with a night.

Incidental observations (animals etc):

IF Elected to be listed, tick ☒ *Red Bank*

S DISPERSED ALGAE (Tick one box)

None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other dispersed trace? State
--	----------------------------------	------------------------------------	------------------------------------

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6B

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? ☐ Navigation? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 3693

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 38914 River: UN NAIKEP

Date: 1/6/1995 Time: 13:40 Surveyor name: 78.7W PM 16 AK 78W

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with site map!

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

IFE = 1-10 = Sweep up scale

National Rivers Authority

DATES: Record

prepared

validated

delivered

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ downstream end ☒

LEFT BANK Leaving downstream

Bank material (fine) HE, SO, CO, CL, LE, CL EA EA EA EA BR BR EA EA EA EA

Bank modification(s) ☐ NO, AL, FC, PM, CM RS RS RS RS RS RS RS RS

Bank feature(s) ☒ AK, PO, EC, SC, FP, NP, SP, VS NO NO NO NO NO NO NO NO

CHANNEL Note: Use the bank profile sketch of channel

Channel substrate (fine) HE, SO, CO, CL, LE, CL AK AK AK AK SI SI SI SI SI SI

Flow type (fine) FF, OL, W, UN, CF, SF, SF, SF, SF SM SM SM SM SM SM SM SM

Channel modification(s) ☒ NO, AL, FC, PM, CM RS RS RS RS RS RS RS RS

Channel feature(s) ☒ NO, AL, FC, PM, CM NO NO TR NO TR NO NO NO NO

RIGHT BANK Leaving downstream

Bank material (fine) HE, SO, CO, CL, LE, CL EA EA EA EA BR BR EA EA EA EA

Bank modification(s) ☐ NO, AL, FC, PM, CM RS RS RS RS RS RS RS RS

Bank feature(s) ☒ NO, AL, FC, PM, CM NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from PL, CP, SM, SC, LP, TL, OV, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) SC SC RD SU SU TR TR SU TR SU

LEFT BANK-TOP (structure within 1m) SC S S S U B S S S C S

LEFT BANK FACE (structure) SC U S S S B S S S C S

RIGHT BANK FACE (structure) SC S S S S B S C C U U

RIGHT BANK-TOP (structure within 1m) SC S U U S B S S S U S

LAND USE WITHIN 5m OF BANK TOP (R) SU SU SU S SU SC SC SC SU SC

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use B (in 33% area) or F (percent))

NONE (tick) ☐ Plant genus (tick one)

Emergent broad-leaved herbs ☐

Emergent reeds/sedges/rushes ☐

Flowering-leaved (fringed) ☐

Free-floating ☐

Amphibious ☐

Submerged ☐

Submerged floating-leaved ☐

Flamant, algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use the habits of growing or plants to determine + species if possible of Potamogeton, Potamogeton, Potamogeton

SITE NO. 3693 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

Broadsheet/mixed woodland (BL) ☐ Wetland (eg bog, marsh, fen) (WT) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☒

Strub (SC) ☒ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

Natural/unmodified ☐ Artificially modified ☐

Vertical undercut ☐ Resection ☐

Vertical + toe ☐ Reinforced - whole bank ☐

Steep (>45°) ☐ Reinforced - top only ☐

Gentle ☐ Reinforced - toe only ☐

Composite ☐ Artificial two-stage ☐

Use this space to draw profile if different from above, after taking predetermined line

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ None ☐ Present ☐

Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐

Cascade(s) - chute ☐ Exposed bedrock ☐ Exposed boulders ☐ Unvegetated mid-channel bars ☐ Vegetated mid-channel bars ☐ Mature island(s) ☐ Unvegetated side bars ☐ Vegetated side bars ☐

Have you completed your expenses from this week? (send to P410 for signature!)

P410.12

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK ☐ RIGHT BANK ☐

Banktop width (m) 5.50 Banktop height (m) 1.75

Water width (m) 3.0 Water depth (m) 0.75

Enhanced height (m) 4.00

If transect lower than banktop break in slope, indicate: height (m) 0.75 width (m) 4.00

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Ponds = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: _____

weed-cutting ☐ enhancement ☐ Recontouring ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL ☐ FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fca ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other? State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Urban stream channel composed of laid brick overlain with silt and plants present. Extensive potamogeton and potamogeton.

Major conservation features: Many Himalayan Balsam and J. Knotweed.

Major impacts: _____

Incidental observations (animals etc): _____

IFE 2-channel banktop ☒ Filtered ☐

S. DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased algae? State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 6PB

Envelopes supplied! Post completed files for processing. Labels supplied 1500

P410.12

DATES. heard	prepared	validated	delineated checked
1964-11-7E			

PLANTS - Use 1st 4 letters of Genus & Pota. & Pota. nomen
+ species if possible & Pota. part & Pota. nomen partitum

3699
Have you completed your exercises for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK	Banktop width (m)	RIGHT BANK	
Banktop height (m)	0.3	Water width (m)	4
Banktop height (m)	0.3	Water depth (m)	0.2
Banktop height (m)	0.3	Banktop height (m)	0.4
Banktop height (m)	0.3	Banktop height (m)	0.4

If trashes lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ pick one box Slope (IFE only) ☐

M. ARTIFICIAL FEATURES (Use left indicate total number, tick "none" where appropriate)

None	Number of Culverts =	Weirs =	Outfalls =	Folds =
	Footbridges = <td>Roadbridges =<td>Other =<td></td></td></td>	Roadbridges = <td>Other =<td></td></td>	Other = <td></td>	
	Is water level controlled by weir/dam downstream? No	Part of site	Part of site	Part of site

N. EVIDENCE OF SPECIAL MANAGEMENT (Tick appropriate box)

dredging	moving	Other 7 State
weir-cutting	enhancement	

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (down corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Box <input type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flats <input type="checkbox"/>	

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use / or & with scientific name)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State Nettles

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Meandering stream, eroding banks slumping into river.*

Plants of note:

Major conservation features:

Major impacts: *hatchling poaching*

Incidental observations (animals etc):

IFE 2 channels single lot ☒ Polluted ☒

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6PB

Examine carefully! Post completed form for processing. Labels supplied with report.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3702

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TLO37926 River: None

Date 15/5/1995 Time 09:00 Surveyor name (with grade) J. S. M. H. A. K. T. G. W.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site name!

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/extra diagrams

D NUMBER OF RIPPLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Ripples 2 Unvegetated point bars

Pools 5 Vegetated point bars

IFE - Mod - See over page 2

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Ripples ☒ Pools ☒ Unvegetated point bars ☐ Vegetated point bars ☐

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one box)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Back material (one)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Back modifications (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Back features (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE - Use one box for each aspect of channel										
Channel substrate (one)	CO	CL	SH	CO	CO	SH	SH	SH	CL	GP
Flow type (one)	SM	SM	NP	NP	NP	SM	NP	NP	NP	NP
Channel modifications (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Back material (one)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Back modifications (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Back features (one)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide distance)										
Land use: choose one from RL, CP, SH, SC, SP, PL, OW, MS, TL, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	U	U	U	S	S	S	S	S	U
RIGHT BANK FACE (structure)	B	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (to 33% area) or J (percent))										
NONE (tick)										
Emergent broad-leaved										
Emergent reeds/rushes										
Free-floating										
Amphibious										
Submerged										
Submerged fine-leaved										
Flamant, algae	F	F		E	E	E	E	E	E	E

Use end "each-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

NOTES - Use 1st 4 digits of survey number to identify vegetation + species of possible of site past a 10m wide distance

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3702

II LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or J (percent))

	L	R		L	R
Broadleaved/woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (to 33% banklength) or J (percent))

	L	R		L	R
Natural/unmodified			Artificial/unmodified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after using predetermined base			Pierced		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	Notes	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	Notes
None				Shading of channel			
Isolated/scattered				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Semi-continuous				Fallen trees			
Continuous				Coarse woody debris			

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	Notes		None	Present	Notes
Waterfall(s) - free-fall				Marginal deadwater - slack			
Cascade(s) - chute				Exposed bedrock			
Step/pool sequences				Exposed boulders			
Rapid(s) - whitewater				Unvegetated mid-channel bars			
Riffle-pool sequences				Vegetated mid-channel bars			
Rus(s) - disturbed, rippled				Mature island(s)			
Boil(s) - upwellings				Unvegetated side bars			
Glides(s) - smooth, no eddies				Vegetated side bars			

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	10	RIGHT BANK	
Banktop height (m)	4.0		Banktop height (m)	5
Bankbed height (m)			Bankbed height (m)	
Bankbed width (m)			Bankbed width (m)	
Bankbed height (m)			Bankbed height (m)	

If threshold lower than banktop break in slope, indicate: height (m) 0.2 width (m)

Bed material at the site: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ferds =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Full site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m radius)
Waterfalls > 5m high	Artificial open water
Bankside/valley channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Carr
	Marsh
	Flush

P CHOKED CHANNEL (Tick one box)

In 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State Nettles

R BRIEF DESCRIPTION (Use prompts and key words at appropriate)

Descriptive sentence: meandering stream with very variable flow types and high banks

Photos of note:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE 2 channel bank top ☒ filtered ☒

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A. BACKGROUND DATA-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? _____

B. FIELD SURVEY DETAILS

Reference network site number: 305
 Mid section grid reference of network site (if different from designated location): Ang
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: _____ River: COE Channel River
 Date: 21/6/1995 Time: 10 Surveyor name: ACU
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____
 Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
 Duplicate photographs: general character? No ☒ Yes ☐ (tick one box)
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/dowl + NOTES / EXTRA DIAGRAM

D. NUMBER OF RIFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles ☐ Unvegetated point bars ☐
 Pools ☐ Vegetated point bars ☐

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

E. PHYSICAL ATTRIBUTES (to be assessed across channel width > 1m wide zone)

Mid = Material ☐ = one entry only

	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK											
Mid	1	2	3	4	5	6	7	8	9	10	
Bank modification(s)											
Bank features(s)											
CHANNEL											
Channel substrate											
Flow type											
Channel modification(s)											
Channel features(s)											
RIGHT BANK											
Mid	1	2	3	4	5	6	7	8	9	10	
Bank modification(s)											
Bank features(s)											

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from M, CP, HH, SC, AP, WL, OW, RS, BL, SW

	1	2	3	4	5	6	7	8	9	10	ALL
LAND USE WITHIN 5m OF BANKTOP (L)											
LEFT BANK-TOP (structure within 1m)											
LEFT BANK FACE (structure)											
RIGHT BANK FACE (structure)											
RIGHT BANK-TOP (structure within 1m)											
LAND USE WITHIN 5m OF BANK TOP (R)											

G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)

NONE (tick as appropriate) Plant genera

	1	2	3	4	5	6	7	8	9	10	ALL
Utricularia/monocotyledons											
Emergent broad-leaved herbs											
Emergent reeds/bulrushes											
Flowering-leaved (cottons)											
Free-floating											
Angiosperms											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 100m (see E or F)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/undisturbed			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Enbanked		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	L	R	ASSOCIATED FEATURES (Tick one box per feature)	L	R
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present
Waterfall(s) - freefall			Marginal deadwater - slack		
Cascade(s) - chute			Exposed bedrock		
Step/pool sequences			Exposed boulders		
Rapid(s) - submergence			Unvegetated mid-channel bars		
Riffle/pool sequences			Vegetated mid-channel bars		
Run(s) - dewatered, rippled			Mature island(s)		
Pool(s) - spreading			Unvegetated side bars		
Glides(s) - smooth, no eddies			Vegetated side bars		

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	LEFT BANK	RIGHT BANK
Banktop width (m)		
Banktop height (m)		
Water width (m)		
Banktop height (m)		
Embedded height (m)		
Water depth (m)		
Embedded height (m)		

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____
 Puddles = _____
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RUGGY MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? State: _____
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Brick/drainage channels	Natural open water
Dam/s dams	Water meadow
Loose debris	Fen
	Dog
	Cave
	Marsh
	Flank

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate) (THE LEFT HAND SIDE OF THE PROMPT IS FOR THE LEFT BANK, THE RIGHT HAND SIDE FOR THE RIGHT BANK)

Left bank: steep, exposed, no vegetation, some rocks
 Right bank: steep, exposed, no vegetation, some rocks
 Channel: shallow, fast flowing, no vegetation

Notes of notes: _____

Significant features: _____

Significant impacts: _____

Additional observations (animals etc): Redpolls, Ravens

FE. ENVIRONMENTAL STATUS (tick one box)

FE.1 ☐ FE.2 ☐ FE.3 ☐ FE.4 ☐ FE.5 ☐ FE.6 ☐ FE.7 ☐ FE.8 ☐ FE.9 ☐ FE.10 ☐

FE. DISSEMINATED ALGAE (tick one box)

None ☒ Present ☐ Extensive ☐ Other (state) _____

END COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: IFE & M-L-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3700
Mid-section grid reference of network site if different from designated location: *7L 2H 14EC ML*

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: *7L 2H 14EC ML*
Date: *11/11/1995* Time: *5:00* Surveyor name: *GC MLV NG NG FND*
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☒ Yes ☐ (tick one box) *Site 14 on 1*
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl *+ NOTES/extra diagrams*

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles *0* Unvegetated point bars *0*
Pools *0* Vegetated point bars *0*
IFE-M-L-A - See survey notes

National Rivers Authority

IKES, heard, ground, visible, debris, channels

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (if Mark position of feature)

Spot check 1 is at: upstream ☐ of site ☒ downstream ☐ (tick one)

LEFT BANK: *looking downstream*

1	2	3	4	5	6	7	8	9	10
Mat. <i>BE,BO,CO,CL,EA,FE,GC,JP,WF,GA,BA,AR,BW</i>	<i>PA</i>	<i>SP</i>	<i>FA</i>	<i>CA</i>	<i>GA</i>	<i>PA</i>	<i>EA</i>	<i>BA</i>	<i>AR</i>
Bank modification(s) <input checked="" type="checkbox"/> <i>NO,RI,SL,FC,BH,EM</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>
Bank feature(s) <input checked="" type="checkbox"/> <i>NR,NO,EC,IC,JP,VP,VS,VS</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

CHANNEL NOTE: *Use same scale as above*

Channel substrate (one) <i>NR,BO,CO,CL,EA,FE,GC,JP,WF,GA,BA,AR,BW</i>	<i>RV</i>	<i>RV</i>	<i>RV</i>	<i>RV</i>	<i>RV</i>	<i>RV</i>	<i>RV</i>	<i>RV</i>	<i>RV</i>
Flow type (one) <i>FF,CH,SW,UV,CF,AF,UF,SH,SP,NO</i>	<i>CF</i>	<i>CF</i>	<i>CF</i>	<i>CF</i>	<i>CF</i>	<i>CF</i>	<i>CF</i>	<i>CF</i>	<i>CF</i>
Channel modification(s) <input checked="" type="checkbox"/> <i>NR,NO,RI,SL,FC,BH,EM</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Channel feature(s) <input checked="" type="checkbox"/> <i>NR,NO,RI,SL,FC,BH,EM</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

RIGHT BANK: *looking downstream*

Mat. <i>BE,BO,CO,CL,EA,FE,GC,JP,WF,GA,BA,AR,BW</i>	<i>PA</i>	<i>SP</i>	<i>FA</i>	<i>CA</i>	<i>GA</i>	<i>PA</i>	<i>EA</i>	<i>BA</i>	<i>AR</i>
Bank modification(s) <input checked="" type="checkbox"/> <i>NO,RI,SL,FC,BH,EM</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>
Bank feature(s) <input checked="" type="checkbox"/> <i>NR,NO,EC,IC,JP,VP,VS,VS</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from *BL, CP, MH, SC, RP, WE, OW, TO, TL, SU*

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) <i>AR,SC</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>
LEFT BANK FACE (structure) <i>AR,SC</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>
RIGHT BANK FACE (structure) <i>AR,SC</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>
RIGHT BANK TOP (structure within 1m) <i>AR,SC</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>
LAND USE WITHIN 5m OF BANK TOP (R)	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry use E (a 33% area) or / (present))

NONE (tick)	<input checked="" type="checkbox"/> <i>Plant growth (list below)</i>									
Liverworts	<input type="checkbox"/>									
Mosses/lichens	<input type="checkbox"/>									
Emergent broad-leaved herbs	<input type="checkbox"/>									
Submerged broad-leaved herbs	<input type="checkbox"/>									
Free-floating	<input type="checkbox"/>									
Amphibious	<input type="checkbox"/>									
Submerged - broad-leaved	<input type="checkbox"/>									
Submerged fine-leaved	<input type="checkbox"/>									
Flamant, algae	<input type="checkbox"/>									

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use list of plants in *Plants* section + species of plants as possible by Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (a 33% banklength) or / if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (a 33% banklength) or / if present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (> 45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Gentle	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Prached	<input type="checkbox"/>	<input type="checkbox"/>
			Enhanced	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

Use this space to draw profile if different from above, after ticking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	E ≥ 33%	None	Present E	NOTES
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>					
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>					
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>					
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>					
Continuous	<input type="checkbox"/>	<input type="checkbox"/>					

ASSOCIATED FEATURES (Tick one box per feature)

	E ≥ 33%	None	Present E	NOTES
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	NOTES
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascades(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your squares for this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2 Run	RIGHT BANK
Banktop height (m)	<i>0.60</i>	Water width (m)	<i>2.50</i>
Embanked height (m)	<i>2.0</i>	Water depth (m)	<i>2.0</i>
		Embanked height (m)	<i>2.0</i>

If trushline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) *...*

M ARTIFICIAL FEATURES (Use 1/10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = *...* Weirs = *...* Outfalls = *...* Fords = *...*
Footbridges = *...* Roadbridges = *...* Other = *...*
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State *...*
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carri <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Plush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State *...*

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentences: *...*
Plants of note: *...*
Major conservation features: *...*
Major impacts: *...*
Incidental observations (animals etc): *...*

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State *...*

SEND COMPLETED FORMS TO HUGH DAWSON, IFE RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Platform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3702

Mid-section grid reference of network site if different from designated location: *None*

COMPLETE THE FOLLOWING FOR ALL SITES *JL DH (H) CC ML*

Grid Reference: River: *W. 500*

Date: *11/11/1995* Time: *10:00* Surveyor name: *GC MLR*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *None*

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - Ind. - See over page 2

National Rivers Authority

Notes: head channel, main channel, side channel, tributary channel

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one)

LEFT BANK

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL NOTE - Use appropriate code

Channel substrate (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Flow type (fine) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK

Bank modification(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Bank feature(s) ☒ NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, VL, OW, IG, TL, TU

LAND USE WITHIN 5m OF BANKTOP (L) ☒ BL, ☒ CP, ☒ MH, ☒ SC, ☒ RP, ☒ VL, ☒ OW, ☒ IG, ☒ TL, ☒ TU

LEFT BANK-TOP (structure within 1m) ☒ BL, ☒ CP, ☒ MH, ☒ SC, ☒ RP, ☒ VL, ☒ OW, ☒ IG, ☒ TL, ☒ TU

LEFT BANK FACE (structure) ☒ BL, ☒ CP, ☒ MH, ☒ SC, ☒ RP, ☒ VL, ☒ OW, ☒ IG, ☒ TL, ☒ TU

RIGHT BANK FACE (structure) ☒ BL, ☒ CP, ☒ MH, ☒ SC, ☒ RP, ☒ VL, ☒ OW, ☒ IG, ☒ TL, ☒ TU

RIGHT BANK-TOP (structure within 1m) ☒ BL, ☒ CP, ☒ MH, ☒ SC, ☒ RP, ☒ VL, ☒ OW, ☒ IG, ☒ TL, ☒ TU

LAND USE WITHIN 5m OF BANK TOP (R) ☒ BL, ☒ CP, ☒ MH, ☒ SC, ☒ RP, ☒ VL, ☒ OW, ☒ IG, ☒ TL, ☒ TU

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or / (present))

NONE (tick) ☒ Plant species (list in notes)

Liverworts ☒ Mosses/lichens ☒ Emergent broad-leaved herbs ☒ Emergent reeds/sedges/rushes ☒ Floating-leaved (ponds) ☒ Free-floating ☒ Amphibious ☒ Submerged - broad-leaved ☒ Submerged fine-leaved ☒ Filament, algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use list of species in notes, list in notes + species if possible of both parts of vegetation pattern

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

BL Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)

CP Coniferous plantation (CP) Open water (OW)

MH Moorland/heath (MH) Improved/semi-improved grass (IG)

SC Scrub (SC) Tilled land (TL)

RP Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ Relined ☒

Vertical + toe ☒ Reinforced - whole bank ☒

Steep (> 45°) ☒ Reinforced - top only ☒

Gentle ☒ Reinforced - toe only ☒

Composite ☒ Artificial two-stage ☒

Use this space to draw profile of different from above, after taking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Left ☒ Right ☒ ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☒ Overhanging boughs ☒ Exposed bankside roots ☒ Underwater tree roots ☒ Fallen trees ☒ Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒ Marginal deadwater - slack ☒

Cascades(s) - chute ☒ Exposed bedrock ☒

Step/pool sequence ☒ Exposed boulders ☒

Rapid(s) - whitewater ☒ Unvegetated mid-channel bars ☒

Riffle-pool sequence ☒ Vegetated mid-channel bars ☒

Run(s) - disturbed, rippled ☒ Mature island(s) ☒

Boil(s) - upwellings ☒ Unvegetated side bars ☒

Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒

Have you completed your expenses from this week? (send to FNU for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) ☒ 12. RIGHT BANK Banktop width (m) ☒ 12.

Banktop height (m) ☒ 0.15 Water width (m) ☒ 1.2m Banktop height (m) ☒ 1.2m

Embanked height (m) ☒ 2m Water depth (m) ☒ 2.3m Embanked height (m) ☒ 2.3m

If trashes lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10, indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐ (tick one box)

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: *None*

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10, indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: *None*

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *River (no opposite to drainage channel) - 2-bank recently reconnected*

Plants of note: *None*

Major conservation features: *None*

Major impacts: *None*

Incidental observations (animals etc): *None*

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: *None*

SEND COMPLETED FORM TO HUGH DAWSON, IRE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4UB

Envelopes supplied! Post completed forms for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995 IFB A-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3707

Mid-section grid reference of network site if different from designated location: *Am*

COMPLETE THE FOLLOWING FOR ALL SITES *JL DH (1H) CL ML*

Grid Reference: River: *79, 74 PM 16 AK 70m*

Date: 11/11/1995 Time: 10:00 Supervisor name: *G.C. M.L. H. 11/6 PM*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) *with 1/2 m on 1*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other description

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - 1000 - 5000 (m/s)

National Rivers Authority

DATES: heard ground visible details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK *Leaving downstream*

Dist. *BEAD, CO, GEL, FEL, CC, SP, SW, G, AR, R, BW*

Bank modification(s) ☒ NO, AR, R, PC, R, EN

Bank feature(s) ☒ NO, MO, EC, SC, PR, VP, JR, JR

CHANNEL NOTE *Use 1-10 to indicate degree of vegetation*

Channel substrate (one) *BEAD, CO, GEL, FEL, CC, SP, SW, G, AR, R, BW*

Flow type (one) *FF, OL, BW, UP, CF, RP, UP, SM, NP, NO*

Channel modification(s) ☒ NO, MO, EC, SC, PR, VP, JR, JR

Channel feature(s) ☒ NO, MO, EC, SC, PR, VP, JR, JR

RIGHT BANK *Leaving upstream*

Dist. *BEAD, CO, GEL, FEL, CC, SP, SW, G, AR, R, BW*

Bank modification(s) ☒ NO, AR, R, PC, R, EN

Bank feature(s) ☒ NO, MO, EC, SC, PR, VP, JR, JR

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CP, MH, SC, RP, WE, GW, HO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) *1 2 3 4 5 6 7 8 9 10*

LEFT BANK-TOP structure within 1m *BU, SC*

LEFT BANK FACE structure *BU, SC*

RIGHT BANK FACE structure *BU, SC*

RIGHT BANK-TOP structure within 1m *BU, SC*

LAND USE WITHIN 5m OF BANK TOP (R) *1 2 3 4 5 6 7 8 9 10*

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))

NONE (tick) *Plant quercus (Pteris)*

Emergent broad-leaved herbs ☐

Emergent narrow-leaved herbs ☐

Emergent sedge ☐

Emergent rush ☐

Emergent grass ☐

Free-floating ☐

Amphibious ☐

Submerged - broad-leaved ☐

Submerged - narrow-leaved ☐

Filamentous algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1-10 to indicate degree of cover in 10m x 10m area + species if possible eg Pteris aquilina

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

Broadleaf/mixed woodland (BL)

Coniferous plantation (CP)

Moorland/heath (MH)

Scrub (SC)

Rough pasture (RP)

Wetland (eg bog, marsh, fen) (WJ)

Open water (OW)

Improved/semi-improved grass (IG)

Tilled land (TL)

Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

Natural/unmodified *L R*

Vertical/undercut *L R*

Vertical + toe *L R*

Slope (> 45°) *L R*

Gentle *L R*

Composite *L R*

Artificial/modified *L R*

Resectioned *L R*

Reinforced - whole bank *L R*

Reinforced - top only *L R*

Reinforced - toe only *L R*

Artificial two-stage *L R*

Poached *L R*

Embanked *L R*

Set-back embankments *L R*

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right *WATER*

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33%

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐

Cascade(s) - chute ☐

Step-pool sequence ☐

Rapid(s) - whitewater ☐

Riffle-pool sequence ☐

Root(s) - disturbed, ripped ☐

Bank(s) - upwellings ☐

Gravel(s) - smooth, no adhesion ☐

Marginal deadwater - slack ☐

Exposed bedrock ☐

Vegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) *2.5*

Water width (m) *2.5*

Banktop height (m) *0.75*

Embankment height (m) *0.75*

Water depth (m) *0.75*

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls =

Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: *...*

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Braided/side channels ☐

Debris dams ☐

Leafy debris ☐

FLOODPLAIN (50m corridor)

Artificial open water ☐

Natural open water ☐

Water meadow ☐

Fen ☐

Bog ☐

Carr ☐

Marsh ☐

Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: *...*

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *...*

Major conservation features: *...*

Major impacts: *...*

Incidental observations (animals etc): *...*

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: *...*

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFE P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3711

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 16 017 913 River: LARLING CREEK

Date: 12/1/95 Time: 12:50 Surveyor name: J. H. P. H. I. A. K. 76m

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) with 50m kg on!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1H then indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE - Mod - See env 10p 1.1

National Rivers Authority

J.H.P. H. I. A. K. 76m

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site (tick one)

LEFT BANK

Met. NO, CO, CL, LF, PE, CL, CC, SP, WP, GA, RA, RB, W

Bank modification(s) NO, RA, PC, RA, W

Bank feature(s) NO, NO, SC, SC, PC, PC, SP, SP

CHANNEL NOTE

Channel substrate (one) NO, RA, SC, CO, CO, SP, SP, CL, CL

Flow type (one) FT, CHAW, UW, CP, SP, SP, SP, SP

Channel modification(s) NO, NO, RA, RA, W

Channel feature(s) NO, NO, RA, RA, W

RIGHT BANK

Met. NO, CO, CL, LF, PE, CL, CC, SP, WP, GA, RA, RB, W

Bank modification(s) NO, RA, PC, RA, W

Bank feature(s) NO, NO, SC, SC, PC, PC, SP, SP

F LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide panicle)

Land use: choose one from CL, CP, NH, SC, SP, WL, OW, IO, TL, W

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSAC

LEFT BANK FACE (structure) BAUSAC

RIGHT BANK-TOP (structure within 1m) BAUSAC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / (present))

NONE (tick)

Emergent broad-leaved herbs

Emergent reeds/ sedges

Floating-leaved (spotted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged fine-leaved

Filamentous, algae

Use end 'tick-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1H to ticks of groups as P.A.A. to vegetation + species of possible eg. Pot. just a Pot. vegetation features

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

ASSOCIATED FEATURES (Tick one box per feature)

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Have you completed your queries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 4.70

Banktop height (m) 2.0

Water width (m) 1.10

Banktop height (m) 1.75

Water depth (m) 0.18

Banktop height (m) 1.75

RIGHT BANK

Banktop width (m) 4.70

Banktop height (m) 2.0

Water width (m) 1.10

Banktop height (m) 1.75

Water depth (m) 0.18

Banktop height (m) 1.75

M ARTIFICIAL FEATURES (Use 1H to indicate total number, tick 'none' where appropriate)

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

P CHOKED CHANNEL (Tick one box)

Q NOTABLE NUISANCE PLANT SPECIES (Use 1H to indicate total number, tick 'none' where appropriate)

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

S DISEASED ALDERS (Tick one box)

A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?
B FIELD SURVEY DETAILS		
Reference network site number: <u>3713</u>		
Mid-section grid reference of network site if different from designated location:		
COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference: <u>TN 112912</u>		River: <u>JL DH 1H CC ML</u>
Date: <u>15/5/1995</u>	Time: <u>09.17</u>	Surveyor name (write or add): <u>JB, JW PH, LAAR, JAW</u>
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state: <u>6m msh, 1/2 1/2 FWD</u>		
Bed of river visible? No <input type="checkbox"/> partially <input type="checkbox"/> entirely <input checked="" type="checkbox"/> (tick one box)		
Essential photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) <u>Special features</u> <u>with S/S in pen!</u> <u>Essential - rather less required if failures?</u> <u>None</u>		
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)		
C PREDOMINANT VALLEY FORM (tick one box only)		
	<input type="checkbox"/> shallow vee	
	<input type="checkbox"/> deep vee	
	<input type="checkbox"/> gorge	
	<input type="checkbox"/> concave/bowl	<input type="checkbox"/> asymmetrical floodplain + NOTES/other DIAGRAM
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use <u>1H</u> then indicate total number)		
Riffles <u>0</u>	Unvegetated point bars <u>0</u>	
Pools <u>0</u>	Vegetated point bars <u>0</u>	
(FE - Med - See survey report 13)		

[illegible]














PLANTS - Use 1st 4 letters of Genus + species if possible
eg Potamogeton pectinatus

Page 3 of 4

II LAND USE WITHIN 50m of BANKTOP. Use E (≥ 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		E
Scrub (SC)			Tilled land (TL)	E	
Rough pasture (RP)			Suburban/urban development (SU)		✓

I. BANK PROFILES. Use E (≥ 33% banklength) or ✓ if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Resealed 	E	E
Vertical + toe 			Reinforced - whole bank 		
Steep (> 45°) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composites 			Artificial two-stage 		
Use this space to draw profile of different from above, after making predetermined box			Flooded 		
			Embanked 		
			Set-back embankments 		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	NATVE	E ≥ 33%	None	Present	E
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

	None	Present	E		None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pum(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your expenses form this week? (send to FND for signature!)

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK			RIGHT BANK	
Banktop height (m)	1.75	Water width (m)	0.75	Banktop height (m)
Embanked height (m)		Water depth (m)	0.08	Embanked height (m)

If threshold lower than banktop break in slope, indicate: height (m) _____ width(m) _____

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slaps (#FF-000) ☒

M ARTIFICIAL FEATURES (Use 1-4 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 0 Others = 0

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other ? State
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Pen <input type="checkbox"/> Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use ✓ or ✗)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State Nerax (C.) ...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: A FRINGE DETON WITH REDUCED VEGETATION BY CHANNEL.
Plants of note: A LOCAL FRINGE DETON TO REFLECTED LIGHT AS BEVERAGE WED
Major conservation features: LAND - THERE WAS LITTLE OR NO FLOW WITHIN THIS
Major impacts: DETON, LOCAL FRINGE DETON IS THE SAME OF THE RIVER TAY. THIS SILENT SITE IS REMARKED EVERY BODY
Incidental observations (animals etc): BY THE FRINGE. DOWNSTREAM OF THE SITE, HE REVEALS THE APP STREAM EVERY 50 YRS DUE TO CLIMATE PROBLEMS

IF 3/4 covered by debris ☒ Polluted ☐

S DISEASED ALDERS (Tick one box)

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed filter for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995 IFA P.A.A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3715

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 78 5300 River: 78 74 FH 16 AK 7600

Date: 18/11/1995 Time: 10:10 Surveyor's name: GC M&H HD N/A P&D

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state _____

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) general features
Essential - rather than report of failures! with some notes on it!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ NOTES/extra DIAGRAM	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

IFA P.A.A - See also page 2

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995; TEN SPOT CHECKS												Page 2 of 4
Riffles ✓ (off)	Pools ✓	Unvegetated point bars					Vegetated point bars					
E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) Much greater feature (P)												
Spot check 1 is at: upstream end downstream		of site (tick one)	1	2	3	4	5	6	7	8	9	10
LEFT BANK looking downstream												
Mat. BEAO.CO.GI.EA.PE.CC.SP.WF.GI.BR.RW			CC	SP	SP	SP	WP	WP	WP	WP	SP	SP
Bank modification(s) <input checked="" type="checkbox"/> NO.XI.SI.FC.BV.IH			CE	CS	CS	CS	CE	CS	CS	RI	CS	CS
Bank feature(s) <input checked="" type="checkbox"/> BK.NO.EC.IC.PA.VP.IS.VZ			NB	NO	NO	NO	NO	NO	NO	NO	NO	NA
CHANNEL NOTE - Use symbols for aspects of habitat												
Channel substrate (fine) NY.BEAO.CO.GP.SI.GI.CLAR			CO	VZ	VZ	VZ	VZ	VZ	VZ	VZ	VZ	H/
Flow type (fine) FF.OUBW.UW.CP.XP.UP.SL.NP			RP	N/	NP	N/	N/	N/	NP	NP	NP	N/
Channel modification(s) <input checked="" type="checkbox"/> NK.NO.XI.SI.FC.BV.D/O			N/	N/	RS	RS	CS	RS	CS	CS	CS	CS
Channel features(s) <input checked="" type="checkbox"/> NO.NO.XI.R.VB.IH.TB			N/	N/	NO	NO	N/	NO	N/	VB	NO	NO
RIGHT BANK looking downstream												
Mat. BEAO.CO.GI.EA.PE.CC.SP.WF.GI.BR.RW			CP	F	WP	WP	CS	CS	CS	CS	CS	SP
Bank modification(s) <input checked="" type="checkbox"/> NO.XI.SI.FC.BV.IH			C/	C/	CE	CS	N/	N/	N/	N/	NO	RE
Bank feature(s) <input checked="" type="checkbox"/> NK.NO.EC.IC.PA.VP.IS.VZ			N/	N/	NO	NO	N/	N/	N/	N/	N/	NA
F BANTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)												
Land use: choose one from W, CP, HX, SC, RH, OW, IG, R, BU												
LAND USE WITHIN 5m OF BANTOP (L)			CP	N/	CP	CP	CP	CP	CP	CP	U	SU
LEFT BANK-TOP (structure within 1m) BWSIC			C	U	U	U	U	U	U	R	U	U
LEFT BANK FACE (structure) BWSIC			B	A	B	B	C	B	C	B	B	O
RIGHT BANK FACE (structure) BWSIC			B	B	B	B	C	B	A	B	B	O
RIGHT BANK-TOP (structure within 1m) BWSIC			U	U	B	B	U	U	U	U	U	O
LAND USE WITHIN 5m OF BANK TOP (R)			CP	N/	CP	U	CS	CE	CE	CE	VB	SU
G CHANNEL VEGETATION TYPES (fill in relevant boxes with our code; use E (= 33% area) or ✓ (present))												
NONE (tick) Plant genera (list r,n)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Liverwort mosses/lichens	No											
Emergent broad leaved herbs												
Emergent reeds/rushes/tubers												
Floating-leaved (floats)												
Free-floating												
Amphibious												
Submerged - broad-leaved												
Submerged fine linear-leaved												
Filamented, algae			E									

Use "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

REF 211

SITE NO.

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP

Page 3 of 4

II

LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or / if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I

BANK PROFILES Use E (≥ 33% banklength) or / if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reexcavated		
Vertical + toe			Reinforced - whole bank		
Sleep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after writing predetermined bank			Poached		
			Embanked		
			Set-back embankments		

J

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	Notes	E ≥ 33%	None	Present	E
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	

K

EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	Notes
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - silt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - diamond, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Manure island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bank(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NRA RIVER HANTAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		Banktop width (m)		RIGHT BANK	
Banktop height (m)	0.5	Water width (m)		Banktop height (m)	0.7
Bankbed height (m)	—	Water depth (m)	NK	Bankbed height (m)	—

If bankline lower than banktop break in slope, indicate: height (m) — width (m) —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use || indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 1 Outfalls = 0 Fords = 0
Roadbridges = 1 Roadbridges = 0 Other = 0

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ Yes ☐ (tick one box)

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State ...
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☒ Bog ☐ Other (state) ...
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy dams ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use / or X)

Giant Hog-weed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State ...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive notes: ...
Plants of note: ...
Major conservation features: ...
Major impacts: ...
Incidental observations (animals etc): ...
Grass, meadow, ...
IFE channel ...
Filtered ...

S DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other (disease tract) State ...

SEND COMPLETED FORM TO HOWARD DAWSON, IFE, RIVER LABORATORY, EAST STOKES WAREHAM, B125 6BB

NRA RIVER HABITAT SURVEY 1995 IFE P-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 376

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: T 45 2 3 River: WAEZ
79 74 PM 16 AK 78m

Date: 11/6/1995 Time: 11:35 Surveyor name: GC MGR HO N/A FSD








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☒ Yes ☐ (tick one box)
Essential - rather visits required if failures? with GPS data
Bound

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	+ Notes/extra Diagram	

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles <u>0</u>	Unvegetated point bars <u>0</u>
Pools <u>0</u>	Vegetated point bars <u>0</u>

IFE-M-1-d - See User Page 1.2

National Rivers Authority

DATES. Recd.	processed	validated	delineated changes
P-9820 TL			

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS												Page 2 of 4	
Riffling (up)		Pools		Unvegetated point bars				Vegetated point bars					
E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide cone) (4) (Mark position) feature												Value	
Spot check 1 is at: upstream and downstream												Value	
		of one		1	2	3	4	5	6	7	8	9	10
LEFT BANK looking downstream													
Map: BE,BO,CO,GE,FE,GC,CP,SP,KA,BR,AR,BW				EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NO,RI,RI,PC,BN,EN				NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> NK,NO,EC,SC,FB,VP,SV				NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NOTE - Use scale on right of videotape													
Channel substrate (one) NE,BE,BO,CO,CP,KA,BR,AR,BW				NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type (one) FF,CHLW,UW,CF,SP,UP,SLN,PD				SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <input type="checkbox"/> NK,NO,RI,RI,PC,BN,EN				NK	NK	NK	NK	NK	NK	NK	NK	NK	NK
Channel feature(s) <input type="checkbox"/> NO,NO,RI,RI,PC,BN,EN				NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK looking downstream													
Map: BE,BO,CO,GE,FE,GC,CP,SP,KA,BR,AR,BW				EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NO,RI,RI,PC,BN,EN				NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> NK,NO,EC,SC,FB,VP,SV				NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)													
Land use: choose one from BL, CP, MN, SC, RP, WE, OW, IG, TL, SU													
LAND USE WITHIN 5m OF BANKTOP (L)				WL	WL	WL	WL	WL	WL	WL	WL	WL	WL
LEFT BANK-TOP (structure within 1m) BWSIC				11	11	11	11	11	11	11	11	11	11
LEFT BANK FACE (structure) BWSIC				11	11	11	11	11	11	11	11	11	11
RIGHT BANK FACE (structure) BWSIC				11	11	11	11	11	11	11	11	11	11
RIGHT BANK-TOP (structure within 1m) BWSIC				11	11	11	11	11	11	11	11	11	11
LAND USE WITHIN 5m OF BANK TOP (R)				WL	WL	WL	WL	WL	WL	WL	WL	WL	WL
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (> 33% area) or / (present))													
NONE (put) Plant genera (list in)													
Emergent broad leaved herbs													
Emergent reeds/ sedges/rushes													
Floating-leaved (rooted)													
Free-floating													
Amphibious													
Submerged broad-leaved													
Submerged fine linear-leaved													
Filamentous algae													
Use "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)													

PLANTS - Use 1st 4 letters of genus & Pota & Potamogeton
+ species if possible eg Pota fest & Potamogeton festinatus

LAND USE WITHIN 50m OF BANKTOP Use E ($\geq 33\%$ banklength) or / if present									
	L	R		L	R				
Broadleaf/mixed woodland (BL)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WT)	E	E				
Ccaiferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	/	/				
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi-improved grass (IG)	E					
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)						
Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)						

BANK PROFILES Use E ($\geq 33\%$ banklength) or / if present					
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grass		E	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile of 2-3 metres from above, after taking predetermined box.			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES									
TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)					
	Left	Right	MIXED	E $\geq 33\%$	None	Present	E	NO YES	
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)									
	None	Present	E		None	Present	E	N = YES	
Waterfall(s) ~ free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater ~ slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascades(s) ~ chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) ~ whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) ~ disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) ~ upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) ~ smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses form this week? (send to FND for signature!)

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK		Banktop width (m)	33m	RIGHT BANK	
Banktop height (m)	0-05	Water width (m)	32m	Banktop height (m)	0-05
Embanked height (m)		Water depth (m)	2.4-2.5m	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use ☒ to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
Footbridges = _____ Roadbridges = _____

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State _____
wood-cutting ☒ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bug <input type="checkbox"/>	Other (state) _____
Branded/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Care <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input checked="" type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES Use ☒ or E _____

Giant Hogweed ☐ Himalaya Balsam ☐ Japanese Knotweed ☐ Other? State Nettle (P)

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) The Sentences

Descriptive sentence: Thick 2.5 m water about 1000 of reactive silt. The water level of 1700 (LEVEL 22) HIGH 1114 (LEVEL 21) THRU WBS SET-BACK

Main notes: CANALIZATION FROM 31.10.1975 TO 11.10.1975. BETWEEN THESE CANALIZATIONS THERE (LEVEL 17) FEN AND DEEP THERE WAS A DRAINAGE 200' FROM THE CHANNEL TO THE CHANNEL FORD

Major conservation features: WAS A DRAINAGE 200' FROM THE CHANNEL TO THE CHANNEL FORD

Major impacts: THE WAY SINCE THE 1970S

Incidental observations (animals etc): ALTHOUGH THE FENS FORM A MANGROVE COURSE IT IS LIKELY TO HAVE BEEN RECENT IN THE PAST.

IFE ☒ Chemical ☐ Biological ☒ Physical ☐

S DISEASED ALDERS (Tick one box)

Noise ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed films for processing - labels supplied + stamped

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3717

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: 6.6.1.1.1

Date: 11/11/1995 Time: 10:30 Surveyor name: J.P.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 3 Unvegetated point bars

Pools Vegetated point bars 1

National Rivers Authority

P-4-12-1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ² <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>CR</u>	<u>E</u>	<u>A</u>	<u>E</u>	<u>A</u>	<u>E</u>	<u>A</u>	<u>E</u>	<u>A</u>	<u>E</u>
Bank modification(s) <u>NO, SL, PL, FC, SJ, LN</u>	<u>R</u>	<u>N</u>	<u>O</u>	<u>N</u>	<u>O</u>	<u>R</u>	<u>N</u>	<u>O</u>	<u>N</u>	<u>O</u>
Bank feature(s) <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>V</u>
CHANNEL										
Channel substrate ³ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>CP</u>	<u>L</u>	<u>CP</u>	<u>L</u>	<u>CP</u>	<u>L</u>	<u>CP</u>	<u>L</u>	<u>CP</u>	<u>L</u>
Flow type ⁴ <u>FF, CL, AW, UW, CF, SF, SF, SF, SF, SF, SF</u>	<u>RP</u>	<u>S</u>	<u>M</u>	<u>S</u>	<u>M</u>	<u>RP</u>	<u>S</u>	<u>M</u>	<u>S</u>	<u>M</u>
Channel modification(s) <u>NO, SL, PL, FC, SJ, LN</u>	<u>R</u>	<u>S</u>	<u>N</u>	<u>O</u>	<u>N</u>	<u>O</u>	<u>R</u>	<u>S</u>	<u>N</u>	<u>O</u>
Channel feature(s) <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>R</u>	<u>N</u>	<u>O</u>	<u>N</u>	<u>O</u>	<u>R</u>	<u>N</u>	<u>O</u>	<u>N</u>	<u>O</u>
RIGHT BANK										
Mat. ² <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>CR</u>	<u>E</u>	<u>A</u>	<u>E</u>	<u>A</u>	<u>E</u>	<u>A</u>	<u>E</u>	<u>A</u>	<u>E</u>
Bank modification(s) <u>NO, SL, PL, FC, SJ, LN</u>	<u>R</u>	<u>N</u>	<u>O</u>	<u>N</u>	<u>O</u>	<u>R</u>	<u>N</u>	<u>O</u>	<u>N</u>	<u>O</u>
Bank feature(s) <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>V</u>
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from SL, CL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW	<u>SL</u>	<u>CL</u>	<u>SD</u>	<u>CO</u>	<u>GL</u>	<u>SJ</u>	<u>L</u>	<u>CL</u>	<u>CC</u>	<u>SP</u>
LAND USE WITHIN 5m OF BANKTOP (L)	<u>SL</u>	<u>CL</u>	<u>SD</u>	<u>CO</u>	<u>GL</u>	<u>SJ</u>	<u>L</u>	<u>CL</u>	<u>CC</u>	<u>SP</u>
LEFT BANK-TOP (structure within 1m) ⁵ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>
LEFT BANK FACE (structure) ⁶ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>R</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>
RIGHT BANK FACE (structure) ⁶ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>R</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>
RIGHT BANK-TOP (structure within 1m) ⁵ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>	<u>S</u>	<u>C</u>	<u>V</u>
LAND USE WITHIN 5m OF BANK TOP (R)	<u>SL</u>	<u>CL</u>	<u>SD</u>	<u>CO</u>	<u>GL</u>	<u>SJ</u>	<u>L</u>	<u>CL</u>	<u>CC</u>	<u>SP</u>
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or A (grass))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs ⁷ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>										
Emergent reeds/rushes ⁷ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved ⁷ <u>SL, SD, CO, GL, SJ, L, CL, CC, SP, NP, GA, BR, AR, BW</u>										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A)

P-4-12-2L

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3717

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or A if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Open water (OW)		
Moerland/brash (BH)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Scrub (SC)		<input checked="" type="checkbox"/>	Tilled land (TL)		
Rough pasture (RP)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or A if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Resectioned		
Vertical + toe			Reinforced - whole bank		<input checked="" type="checkbox"/>
Steep (> 45°)			Reinforced - toe only		
Gentle		<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
			Peached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after visiting predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present	E
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rap(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

P-4-12-3L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Banktop height (m)	Water depth (m)
LEFT BANK	<u>16.5</u>	<u>15.5</u>	<u>1.6</u>	<u>0.70</u>	<u>1.6</u>	<u>0.70</u>
RIGHT BANK	<u>16.5</u>	<u>15.5</u>	<u>1.6</u>	<u>0.70</u>	<u>1.6</u>	<u>0.70</u>

If trawl line lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Roadbridges = 1 Outfalls = 1 Fords = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drudging ☐ moving ☐ Other 7 State enhancement

weed-cutting ☒ enhancement ☒ Other 7 State enhancement

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Briddled/side channels <input checked="" type="checkbox"/>	Natural open water <input checked="" type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input checked="" type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other 7 State enhancement

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: 110m section of river with maintained narrow waterways, some have been slightly widened, mostly natural, good

Plants of note: examples of reeds

Major conservation features: on banks - good variety of wetland vegetation

Major impacts:

Incidental observations (animals etc): fish

S DISEASE ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other disease tract? State enhancement

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

P-4-12-4L

NRA RIVER HABITAT SURVEY 1995 Page 2 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 2718
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: River: Meigayn
Date: 11/11/1995 Time: 10:00 Surveyor name: ...
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodpl.
☐ gorge ☐ asymmetrical floodpl.
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total num)

Riffles Unvegetated point bars
Pools Vegetated point bars

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P45023 TL

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☐ downstream end ☒ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone)

Stat. = Material ☐ = run entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Stat. ¹ <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	ER	FE	TA	SD	TD	BE	DE	FE	KE	EA
Bank modification(s) <u>NO, AL, FC, SP, AL, SP</u>	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, FC, SP, SP, SP, SP</u>	NO	EC	EC	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ² <u>SP, EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	CO	CO	NO	NO	CO	FE	FE	FE	FE	FE
Flow type ³ <u>IF, CL, SP, SP, SP, SP, SP, SP, SP, SP, SP</u>	RP	EN	CF	EN	CF	EN	CF	EN	CF	EN
Channel modification(s) <u>NO, NO, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NO, NO, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Stat. ¹ <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	PE	FE	EA	EA	EA	BE	DE	FE	KE	EA
Bank modification(s) <u>NO, NO, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 30m wide transect)

Land use: choose one from EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP

LAND USE WITHIN 5m OF BANKTOP (L)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	U	S	S	S	U	U	S	S	S	S
LEFT BANK FACE (structure) <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	U	S	S	S	U	U	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R) <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	U	S	S	S	U	U	S	S	S	S

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or J (present))

NONE (tick as appropriate)

Liverworts/mosses/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reeds/bushes/rushes ¹ <u>EL, CO, CL, FE, CL, CC, SP, NP, GA, SP, SP, SP</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating-leaved (rotated)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Free-floating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Amphibious	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged broad-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged fine-linear-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J) †

P45023 TL

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

	L	R	L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Open water (OW)	<input checked="" type="checkbox"/>
Moorland/heath (MH)	E	E	Improved/semi-improved grass (IG)	
Scrub (SC)			Tilled land (TL)	
Rough pasture (RP)			Suburban/urban development (SU)	

I BANK PROFILES (Use E (≥ 33% banklength) or J if present)

	L	R	Artificial/modified	L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Resectioned	<input checked="" type="checkbox"/>	
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Postbed	<input checked="" type="checkbox"/>	
Use this space to draw profile if different from above, after ticking predominant box					
	Set-back embankments				

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bank(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grill(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

P45023 TL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.5	Banktop height (m)
Banktop height (m)	0.5	Banktop height (m)
Banktop height (m)	0.5	Banktop height (m)

M ARTIFICIAL FEATURES (Use 1/11 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = ... Weirs = ... Outfalls = ... Feeds = ...
Footbridges = ... Roadbridges = ... Part of site ☐ Men's hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: ...
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/> Other (state): <u>...</u>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use J or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Deep rapid bedrock channel with steep and long overbank grassed by steeply rising aches some small pools. Immediately below black willow riparian out. Well vegetated banks with exposed roots
Major conservation features: pollen & a few herbaceous species
Major impacts:
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ...

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

P45023 TL

DATES. Record
1940-1976

PLANT S - Use 1st 4 letters of genus \rightarrow Pota, Potangeton
+ species if possible \rightarrow Pota, pect, Potangeton, pectinatus

Have you completed your expenses from this week? (send to FWD for signature!)

Envelopes supplied! Post completed files for processing - labels supplied as appropriate.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3727
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: 50 662506 River: REA
 Date: 19/5/1995 Time: 09:00 Surveyor name: 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
 Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state: if yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
 Special features: Special features
 Photographs: general character? No ☐ Yes ☒ (tick one box) Side view
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorgo ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 3 Unvegetated point bars
 Pools 3 Vegetated point bars 2
 (If none, tick 'none')
 National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site (tick one)
 1 2 3 4 5 6 7 8 9 10

LEFT BANK

Bank material (fine) RE, PO, CL, GL, SL, FL, CL, SL, FL
 Bank modification(s) ☒ NO, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES
 Bank feature(s) ☒ NO, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES
CHANNEL NOTE Use suitable for
 Channel substrate (fine) RE, PO, CL, GL, SL, FL, CL, SL, FL
 Flow type (fine) SA, SA, SA, SA, SA, SA, SA, SA, SA, SA
 Channel modification(s) ☒ NO, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES
 Channel feature(s) ☒ NO, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES
RIGHT BANK
 Bank material (fine) RE, PO, CL, GL, SL, FL, CL, SL, FL
 Bank modification(s) ☒ NO, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES
 Bank feature(s) ☒ NO, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES, ☒ YES

F BANK/CHANNEL LAND USE AND VEGETATION STRUCTURE (to be assessed over a 1m wide zone)

Land use: choose one from SL, CL, PO, CL, GL, SL, FL, CL, SL, FL
 LAND USE WITHIN 5m OF BANKTOP (L) SL, CL, PO, CL, GL, SL, FL, CL, SL, FL
 LEFT BANK-TOP (structure within 2m) SL, CL, PO, CL, GL, SL, FL, CL, SL, FL
 LEFT BANK FACE (structure) SL, CL, PO, CL, GL, SL, FL, CL, SL, FL
 RIGHT BANK FACE (structure) SL, CL, PO, CL, GL, SL, FL, CL, SL, FL
 RIGHT BANK-TOP (structure within 2m) SL, CL, PO, CL, GL, SL, FL, CL, SL, FL
 LAND USE WITHIN 5m OF BANK TOP (R) SL, CL, PO, CL, GL, SL, FL, CL, SL, FL

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry; use E for 33% area or if present)

NONE (tick) Plant genera (Pat. 1995)
 Emergent: None
 Emergent broad-leaved herbs: None
 Emergent reeds: None
 Floating-leaved (free-floating): None
 Free-floating: None
 Amphibious: None
 Submerged - broad-leaved: None
 Submerged fine-leaved: None
 Filamentous, algae: None

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or A)

Notes: heard, named, visited, details

Notes: Use net to collect of larvae, etc. to be taken + species if possible of both part of a Polystemonia petiolata

REPEAT 1

SITE NO. 3727 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E for 33% banklength) or if present

Broadleaved/ mixed woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WZ)
 Coniferous plantation (CP) ☐ Open water (OW)
 Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☒
 Scrub (SC) ☐ Tilled land (TL) ☒
 Rough pasture (RP) ☐ Suburban/urban development (SU) ☒

I BANK PROFILES (Use E for 33% banklength) or if present

Natural/unmodified ☒ Artificial/modified ☐
 Vertical/undercut ☒ Rescued ☐
 Vertical + toe ☒ Reinforced - whole bank ☐
 Steep (> 45°) ☒ Reinforced - top only ☐
 Gentle ☒ Reinforced - toe only ☐
 Composite ☒ Artificial two-stage ☐
 Use this space to draw profile if different from above, after taking predetermined box
 Pooled ☐
 Embanked ☐
 Set-back embankments ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)
 None ☒ Left ☐ Right ☐ None ☐ Present ☒ None ☐ Present ☒
 Isolated/scattered ☐ Shading of channel ☐
 Regularly spaced, single ☐ Overhanging boughs ☐
 Occasional clumps ☐ Exposed bankside roots ☐
 Semi-confiscuous ☐ Under-ster tree roots ☐
 Continuous ☐ Fallen trees ☐
 Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - slack ☐
 Cascade(s) - chute ☐ Exposed bedrock ☐
 Step/pool sequence ☐ Exposed boulders ☐
 Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐
 Riffle-pool sequence ☐ Vegetated mid-channel bars ☐
 Run(s) - disturbed, rippled ☐ Mature island(s) ☐
 Boil(s) - upwellings ☐ Unvegetated side bars ☐
 Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK RIGHT BANK
 Banktop width (m) 15.0
 Banktop height (m) 2.5
 Water width (m) 10.0
 Water depth (m) 0.25
 Banktop height (m) 2.5
 Embankment height (m) 0.25
 If transline lower than banktop break in slope, indicate: height (m) width (m)
 Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
 Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) ☐

M ARTIFICIAL FEATURES (Use 1-11 indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 0 Other = 0
 Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State None
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) None
 Briddled/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☒ Fen ☐ Flurb ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Tree-lined channel, mostly CO. Riffle & pool
 Plants of note (see list)
 Major conservation features: Lichens of rocks
 Major impact: None
 Incidental observations (animals etc): Dippers
 IFE 2 channel, mostly D. fluvial, D. fluvial, D. fluvial, D. fluvial, D. fluvial, D. fluvial, D. fluvial, D. fluvial, D. fluvial, D. fluvial
 DISEASED ALDERS (Tick one box per feature)
 None ☐ Present ☒ Extensive ☐ Other diseased trees? State None
 SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB
 Envelopes supplied! Post completed form for processing. Labels supplied separately

DATES. Record	prepared	initiated	date/line checked
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PLANTS - Use 1st 4 letters of genus & Pota & Pota + nomen
+ species if possible & Pota part & Pota + nomen part + nomen !!

Have you completed your expenses for this week? (send to FWD for signature!)

Envelopes supplied! Post completed films for processing - labels supplied & stamped

Envelopes supplied! Post completed films for processing - labels supplied as above

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ? N O	Navigation ? N O

B. FIELD SURVEY DETAILS

Reference network site number: **3729**

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: **50876363** River: **STOUR**

Date: **21.11.1995** Time: **11:35**

Surveyor name (under field) **TH. J. PHILLIPS**

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) **See also on board!**

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave/bowl	100 meters of asymmetrical on right bank	

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 3	Unvegetated point bars <input type="checkbox"/>
Pools <input type="checkbox"/>	Vegetated point bars <input checked="" type="checkbox"/>

IF E=1-11 = See page 10 of 11

National Rivers Authority

DATES. Record

Rafflesia / Pools / Unvegetated point bars / Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide zone) (if track problem, feature)

Spot check 1 is at upstream end of site (if of site downstream) (first one)

	1	2	3	4	5	6	7	8	9	10	Field No.
LEFT BANK location	FA EA EA FA EA FA EA FA EA EA										
Bank material (fine)	FE, SO, CL, SL, FC, GL										
Bank modification(s)	RS RS RS RS RS RS RS RS RS RS										
Bank feature(s)	NO NO NO NO NO NO NO NO NO NO										
CHANNEL NOTE - Use numbers for aspects of interest	COST NW BP CL BP SA BP CL GP										
Channel substrate (fine)	UV RP UW UW AP SM SM BP RP RP										
Flow type (fine)	FF, CH, W, W, CL, AP, ST, S, H, CL, W										
Channel modification(s)	RS NO NO NO NO NO NO NO NO NO NO										
Channel feature(s)	NO, SO, FC, SL, RP, AP, ST										
RIGHT BANK location	FA EA EA FA EA FA EA FA EA EA										
Bank material (fine)	FE, SO, CL, SL, FC, GL										
Bank modification(s)	RS NO NO RS NO RS RS NO RS RS										
Bank feature(s)	NO NO NO NO NO NO NO NO NO NO										
F. BANK-TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Land use: choose one from	BL, CP, SL, CL, RP, RE, OV, H, TL, SU										
LAND USE WITHIN 5M OF BANKTOP (L)	IS IS IS IS IS IS IS IS IS										
LEFT BANK-TOP (structure within 1m)	S S U U U U U U U U U										
LEFT BANK FACE (structure)	S B B B B S S S S S										
RIGHT BANK FACE (structure)	S S S S S U U U U U										
RIGHT BANK-TOP (structure within 1m)	U U U U U U U U U U										
LAND USE WITHIN 5M OF BANKTOP (R)	TL TL BL TL TL TL TL TL TL TL										
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with any entry; use R (≥ 33% area) or S (percent))											
NONE (pick)	Plant green (flat-leaf)										
Lavender meadow/lichen											
Emergent broad leaved herbs											
Emergent reeds/ sedges/rushes											
Flowering leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved	Not rec.										
Flamboyant algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or S)

PLANTS - Use at least 6 of 6 groups or 10 of 10 categories
+ species if possible or 10 of 10 species or 10 of 10 species

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment

H. LAND USE WITHIN 50m of BANCTOP. Use E (\geq 33% banklength) or J if present

	L	R		L	R
Broadleaved woodland (BL)	-	✓	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/partially-improved grass (IG)	E	
Scrub (SC)	///	✓	Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES Use E (\geq 33% banklength) or J if present:

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut 			Reconciled 	E	E
Vertical + toe 	✓		Reinforced - whole bank 		
Slope (> 45°) 			Reinforced - top only 		
Gutts 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use 6/2 spaces to draw profile if different from above, after sitting predetermined box			Pitched 		
			Embanked 		
			Set-back embankments 		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	Notes	E \geq 33%	None	Present	E	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	✓	///			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	Notes
Waterfall(s) – free-fall	✓	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater – slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) – chute	✓	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	✓	✓	
Step/pool sequence	✓	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	✓	✓	
Rapid(s) – whitewater	✓	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	✓	✓	
Riffle-pool sequences	✓	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	✓	✓	
Rune(s) – disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	✓	Mature island(s)	✓	✓	
Beil(s) – upwellings	<input type="checkbox"/>	✓	✓	Unvegetated side bars	<input type="checkbox"/>	✓	
Glide(s) – smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	✓	<input type="checkbox"/>	

Have you completed your requests for this week? (send to FWD for signature!)

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Backstop width (m)	15.20	RIGHT BANK	
Backstop height (m)	5.00	Water width (m)	6.20	Backstop height (m)
Embarked height (m)		Water depth (m)	0.30	Embarked height (m)

If trashline lower than backstop break in slope, indicate: height (m) 1.50 width(m) 9.20

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (LFE only)

24 ARTIFICIAL FEATURES (Use ☒ to indicate local number, tick "none" where appropriate)

None <input checked="" type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =	Fords =
	Footbridges =	Roadbridges =	Others =	

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth/hole of site ☐

25 EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging <input type="checkbox"/>	mowing <input type="checkbox"/>	Other? State
weed-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>	Restoration of left bank recent.

26 FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL	FLOODPLAIN (down corridor)
Waterfalls <input type="checkbox"/> Sun high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>
	Flush <input type="checkbox"/>

27 CHOKED CHANNEL: (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

28 NOTABLE NUISANCE PLANT SPECIES (Use / or & right hand box for Forest)

Giant Hogweed <input type="checkbox"/>	Himalayan Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State
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29 BRIEF DESCRIPTION (Use prompts and key words as appropriate)

"The Sentinel's"

Descriptive sentence: Large seasonal mire with high banks. Evidence of a heavy distribution of sedge with very little plant life.

Phases of water:

Major conservation features:

Major impacts:

Incidental observations (animals etc):

IFE 2 channels only taken ☒ Filtered ☒

30 DISEASED ALDERS (Tick one box)

None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Other diseased trees? State
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NOT COMPLETED FORM: TO HUGH DANSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing. Labels supplied on file

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

NO COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6RN

Envelopes supplied! Post completed files for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: IFE, P.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? ☒ Navigation? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 3730

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 50974 825 River: SPUR

Date: 29.5.1995 Time: 17:11 Surveyor name: JB, TW, RW, IGA, K, TSW

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 50m N on board!

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes: note 2: DRAINAGE

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 6 Unvegetated point bars _____

Pools 3 Vegetated point bars _____

IFE, P.A.A. - 500m SWEEP-UP

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 111111 Pools 111 Unvegetated point bars _____ Vegetated point bars _____

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect)

Spot check 1 is at upstream end of transect

LEFT BANK downstream RIGHT BANK upstream

Bank material (fine) BA, FA, EA, EA, EA, EA, EA, EA, EA, EA

Bank modification(s) ☒ NO, BA, FA, EA, EA, EA, EA, EA, EA, EA

Bank features(s) ☒ NO, BA, FA, EA, EA, EA, EA, EA, EA, EA

CHANNEL NOTE: Use 1-10 to describe channel

Channel substrate (fine) SI, CL, SI, SI, SI, SI, SI, SI, SI, SI

Flow type (fine) FF, CH, UP, CF, RP, IF, SP, NP, NP

Channel modification(s) ☒ NO, BA, FA, EA, EA, EA, EA, EA, EA, EA

Channel features(s) ☒ NO, BA, FA, EA, EA, EA, EA, EA, EA, EA

RIGHT BANK downstream

Bank material (fine) BA, FA, EA, EA, EA, EA, EA, EA, EA, EA

Bank modification(s) ☒ NO, BA, FA, EA, EA, EA, EA, EA, EA, EA

Bank features(s) ☒ NO, BA, FA, EA, EA, EA, EA, EA, EA, EA

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, IM, SC, RP, VE, OW, SL, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L) FF, FF, FF, FF, FF, FF, FF, FF, FF, FF

LEFT BANK-TOP structure within 1m BL, BL, BL, BL, BL, BL, BL, BL, BL, BL

LEFT BANK FACE (structure) BL, BL, BL, BL, BL, BL, BL, BL, BL, BL

RIGHT BANK FACE (structure) BL, BL, BL, BL, BL, BL, BL, BL, BL, BL

RIGHT BANK-TOP structure within 1m BL, BL, BL, BL, BL, BL, BL, BL, BL, BL

LAND USE WITHIN 5m OF BANK TOP (R) FF, FF, FF, FF, FF, FF, FF, FF, FF, FF

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (2-3% area) or U (greater))

NONE (tick) ☒ Plant genera (tick one)

Amphibious ☒ waxy right bank ☒

Submerged - broad-leaved ☐

Submerged fine-leaved ☐

Floating-leaved (rooted) ☐

Free-floating ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or U)

PLANTS - Use 1-10 to describe genus of plants, ferns, mosses + species if possible of plants, ferns, mosses, etc.

RECAP 1

SITE NO. 3730 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-3% banklength) or U if present)

Broadleaf/woodland (BL) ☒ Wetland (eg bog, marsh, fen) (W) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐

Scrub (SC) ☒ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (2-3% banklength) or U if present)

Natural/unmodified ☐ Artificial/modified ☐

Vertical/undercut ☐ Retention ☐

Vertical + toe ☐ Reinforced - whole bank ☐

Slope (>45°) ☐ Reinforced - top only ☐

Grass ☐ Reinforced - toe only ☐

Composite ☐ Artificial two-stage ☐

Use this space to draw profile of difference from above, after adding predominant bank

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☒ NOTES

Isolated/scattered ☐ Shading of channel ☐

Regularly spaced, single ☐ Overhanging boughs ☐

Occasional clumps ☐ Exposed bankside roots ☐

Semi-coalescent ☐ Underwater tree roots ☐

Continuous ☐ Fallen trees ☐

Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ Marginal deadwater - silt ☐

Cascade(s) - chute ☐ Exposed bedrock ☐

Step/pool sequence ☐ Exposed boulders ☐

Rapid(s) - whitewater ☐ Unvegetated mid-channel bars ☐

Riffle-pool sequence ☐ Vegetated mid-channel bars ☐

Run(s) - disturbed, rippled ☐ Mature island(s) ☐

Beil(s) - aggravel ☐ Unvegetated side bars ☐

Glide(s) - smooth, no eddies ☐ Vegetated side bars ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK ☐ RIGHT BANK ☐

Banktop width (m) 3.0 Banktop height (m) 1.90

Water width (m) 2.0 Water depth (m) 1.60

Banktop height (m) 1.90 Embankment height (m) 5.0

If threshold lower than banktop break in slope, indicate: height (m) 1.60 width (m) 5.0

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 15%

M. ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 2 Weirs = 1 Outfalls = 1 Fords = 1

Part of site ☐ Part of site ☐ Part of site ☐ Part of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ other? ☐ State: _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 2m high ☐ Artificial open water ☐ Bog ☐ Other (state): _____

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Fluff ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐ State: _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: One grassy well shown by 100m in open pasture with several meadows

Plants of note: the latter is a mix of grasses, sedges, etc. with some reeds and tall grasses.

Major conservation features: the latter is a mix of grasses, sedges, etc. with some reeds and tall grasses.

Major impacts: the latter is a mix of grasses, sedges, etc. with some reeds and tall grasses.

Incidental observations (animals etc): the latter is a mix of grasses, sedges, etc. with some reeds and tall grasses.








IF 2-10% of the channel is choked with vegetation, tick appropriate box

S. DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? ☐ State: _____

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BS

Envelopes supplied! Post completed form for processing. Labels supplied on request.

NRA RIVER HABITAT SURVEY 1995 I.R.A. 2.1.1 Page 1 of 4		
A BACKGROUND MAP-BASED INFORMATION		
Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source(km)	Significant tributary ? <input type="checkbox"/>	Navigation ? <input type="checkbox"/>
B FIELD SURVEY DETAILS		
Reference network site number: <u>3731</u>		
Mid-section grid reference of network site if different from designated location:		
C COMPLETE THE FOLLOWING FOR ALL SITES		
Grid Reference: <u>SP093887</u>		River: <u>REA</u>
Date: <u>1.1.95</u>	Time: <u>10:30</u>	TS, TW, PH, 16 AK, 70m GC, MLY, NO, NO, FWD
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state:		
Bod of river visible? No <input checked="" type="checkbox"/> partially <input type="checkbox"/> entirely <input type="checkbox"/> (tick one box)		
Photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box)		
Site surveyed from: left bank <input type="checkbox"/> right bank <input checked="" type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)		
D PREDOMINANT VALLEY FORM (tick one box only)		
 <input type="checkbox"/> shallow vee	 <input type="checkbox"/> terraced valley floor	
 <input type="checkbox"/> deep vee	 <input checked="" type="checkbox"/> symmetrical floodplain	
 <input type="checkbox"/> gorge	 <input type="checkbox"/> asymmetrical floodplain	
 <input type="checkbox"/> concave/bowl	+ NOTES/obs. <u>Downstream</u>	
E NUMBER OF RIFFLES, POOLS AND POINTE BARS (Use 1/11 then indicate total number)		
Riffles <input type="checkbox"/>	Unvegetated point bars <input type="checkbox"/>	
Pools <input type="checkbox"/>	Vegetated point bars <input type="checkbox"/>	
National Rivers Authority		

DATES, heard

paned

validated

date/time

Page 2 of 4

NRA River Habitat Survey 1995: TEN SPOT CHECKS

☐ Ripfls
☐ Pools
☐ Unvegetated point bars
☐ Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 5m wide zone) (d) Mark ☐ point bar feature (f) Spot check 1 is at western end of stream

	1	2	3	4	5	6	7	8	9	10	Field
LEFT BANK	Leaving downstream										
Bank material (out)	BL, CO, GL, FL, FG										
Bank modification(s)	<input checked="" type="checkbox"/> Natural, P, C, M, L, N										
Bank feature(s)	<input checked="" type="checkbox"/> N, D, C, F, P, V, J, S, I										
CHANNEL NOTE - Use bank bar for aspect of habitat											
Channel substrate (out)	S, I, S, I, S, I, S, I, S, I, S, I										
Flow type (one)	F, C, L, F, U, V, F, J, S, I, S, I, S, I										
Channel modification(s)	<input checked="" type="checkbox"/> N, D, C, F, P, V, J, S, I										
Channel feature(s)	<input checked="" type="checkbox"/> N, D, C, F, P, V, J, S, I										
RIGHT BANK	Leaving downstream										
Bank material (out)	BL, CO, GL, FL, FG										
Bank modification(s)	<input checked="" type="checkbox"/> N, D, C, F, P, V, J, S, I										
Bank feature(s)	<input checked="" type="checkbox"/> N, D, C, F, P, V, J, S, I										

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CP, 10, 12, 13, 14, PL, OW, 16, 17, 18

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10	11
LEFT BANK TOP (structure within 5m)	BAUSC	S	U	P	S	S	B	B	B	B	B
LEFT BANK FACE (structure)	BAUSC	B	U	B	U	S	U	U	U	B	B
RIGHT BANK FACE (structure)	BAUSC	S	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 5m)	BAUSC	S	S	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	BAUSC	S	U	P	S	S	B	B	B	B	B

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or J (precise))

NONE (tick)	Plant genera (abbr.)	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/> Litterfall											
<input type="checkbox"/> Emergent broad-leaved herbs											
<input type="checkbox"/> Emergent reeds/ sedges/rushes											
<input type="checkbox"/> Floating-leaved											
<input type="checkbox"/> Free-floating											
<input type="checkbox"/> Amphibious											
<input type="checkbox"/> Submerged broad-leaved											
<input type="checkbox"/> Submerged fine-leaved											
<input type="checkbox"/> Filamentous algae											













Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use 1st 4 letters of Genus or Pota. Pota + Genus
+ species if possible of Pota pest & Pota + Genus + species

H LAND USE WITHIN 50m OF BANKTOP. Use E ($\geq 33\%$ banklength) or F if present.

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Cauliferous plantation (CP)			Open water (OW)		
Newland/heath (NH)			Improved/fen-improved grass (IG)		
Scrub (SC)	<input checked="" type="checkbox"/>		Tilled land (TL)		
Rough pasture (RP)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)	E	E

I BANK PROFILES: Use E ($\geq 33\%$ banklength) or F if present.

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unmodified 			Besciond		
Vertical + toe 			Reinforced - whole bank 	E	E
Sloep (> 45°) 			Reinforced - top only 		
Gentle 			Reinforced - toe only 		
Composite 			Artificial two-stage 		
Use this space to draw profile of difference from above, after rating predominant box			Preached  Embanked  Set-back embankment 		

J EXTENT OF TREES AND ASSOCIATED FEATURES:

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)		
Left	Right	MIXED	E $\geq 33\%$	Present	NATURAL
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES: (Tick one box per feature)

No.	Present	#	No.	Present	# NATURAL
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - stock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle/pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Roz(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Brill(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Have you completed your expenses for this week? (send to FND for signature!)

CHANNEL DIMENSIONS: 'to be measured at one site on a straight uniform section, preferably across a riffle'

LEFT BANK		RIGHT BANK	
Banktop width (m)		Banktop width (m)	
Banktop height (m)	0.75	Banktop height (m)	0.75
Embankment height (m)		Embankment height (m)	

If threshold lower than banktop break in slope, indicate: height (m) 0.20 width(m) 13.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 indicate unit number, tick "none" where appropriate)

None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =	Feeds n.c.
	Footbridges =	Footbridges = 1	Other =	

Is water level controlled by weir/dam downstream? No ☒ Yes ☐ Part of site ☐ New/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

draining <input type="checkbox"/>	moving <input type="checkbox"/>	Other? State
weir-cutting <input type="checkbox"/> <td>enhancement <input type="checkbox"/><td></td></td>	enhancement <input type="checkbox"/> <td></td>	

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bag <input type="checkbox"/>	Other (state)
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL (Tick one box)

Is 35% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or 2, tick 3, tick box for 4)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Describe sentence: Strong channel with no immediate flow in winter. Left bank full with scrub birch and willow scrub with a 5m. right bank, scrub by soil will be waterlogged mud pasture. New road building on right, pipe recent.

Plants of note: waterlogged mud pasture. New road building on right, pipe recent.

Major conservation features:

Major impacts:

Incidental observations (animals etc):

Pair of mallards.

IFE channel vegetation ☒ filtered ☐

S DISEASED ALGAE (Tick one box)

None ☐ Present ☐ Extensive ☐ Other disease type? State

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed films for processing - labels supplied + stamps

Envelopes supplied! Post completed films for processing - labels supplied + stamps

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? ☐ Navigation ? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 3732

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP13682 River: COLE

Date: 1.6.1995 Time: 11.40 Surveyor name: 6C M.L.V. H.D. F.W.D.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with site No. on board

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/make diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 5 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

IFE - mid - see river (p.13)

National Rivers Authority

J.A.E.S. record

framed

united

defence

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one box)

LEFT BANK (low lying down stream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Bank feature(s) ☒ NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

CHANNEL NOTE (Use 1-10 then indicate total number)

Channel substrate (fine) SP SP SP SP SP SP SP SP SP SP

Flow type (fine) RP RP RP RP RP RP RP RP RP RP

Channel modification(s) ☒ NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Channel feature(s) ☒ NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

RIGHT BANK (high lying up stream)

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Bank feature(s) ☒ NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, MH, SC, RP, WL, OW, IL, TL, JV

LAND USE WITHIN 5m OF BANKTOP (L) RP RP RP SC SC SC SC RP RP RP

LEFT BANK-TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC

LEFT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC

RIGHT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC

RIGHT BANK-TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC

LAND USE WITHIN 5m OF BANK TOP (R) RP RP RP SC SC SC SC RP RP RP

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (in 33% area) or / (present))

NONE (tick) ☒ Plantation (fibre) ☒

Liverworts/mosses/lichens ☐

Emergent broad-leaved herbs ☒

Emergent reeds/sedges/marshes ☒

Flowering leaves (rooted) ☒

Free-floating ☐

Amphibious ☐

Submerged - broad-leaved ☐

Submerged flag-leaved ☒

Filament, algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1-10 of 100m as 10m scale vegetation + species if possible eg. Pota, peat, P. stagnation, P. stagnation

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or / if present)

LEFT BANK

Broadleaf/mixed woodland (BL) ☐

Coniferous plantation (CP) ☐

Moorland/heath (MH) ☐

Scrub (SC) ☒

Rough pasture (RP) ☐

RIGHT BANK

Wetland (eg bog, marsh, fen) (WL) ☐

Open water (OW) ☐

Improved/semi-improved grass (IG) ☐

Tilled land (TL) ☐

Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (in 33% banklength) or / if present)

Natural/unmodified ☐

Vertical/undercut ☒

Vertical + toe ☐

Steep (>45°) ☐

Grass ☐

Composite ☐

Artificial/modified ☐

Regraded ☐

Reinforced - whole bank ☒

Reinforced - top only ☐

Reinforced - toe only ☐

Artificial two-stage ☐

Penchard ☐

Embankment ☐

Set-back embankments ☐

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☐

Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Course woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐

Cascade(s) - chute ☐

Step/pool sequence ☐

Rapid(s) - whitewater ☐

Riffle-pool sequence ☐

Runs(s) - disturbed, rippled ☐

Bail(s) - spillways ☐

Glides(s) - smooth, no eddies ☐

Marginal deadwater - slock ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Mature island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

Have you completed your squares for this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 18.0

Banktop height (m) 2.0

Embankment height (m) 0.13

RIGHT BANK

Banktop height (m) 3.0

Embankment height (m) 9.0

If threshold lower than banktop break in slope, indicate: height (m) 1.0 width (m) 9.0

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 1.5%

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐

Number of Culverts = 1

Weirs = 1

Footbridges = 1

Rebridges = 1

Outfalls = 1

Fords = 1

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Other ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Brick/side channels ☐

Debris dams ☐

Leafy debris ☐

Floodplain (50m corridor)

Artificial open water ☐

Natural open water ☐

Water meadow ☐

Fen ☐

Bog ☐

Carr ☐

Marsh ☐

Flint ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐

Himalayan Balsam ☒

Japanese Knotweed ☒

Other? State:

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Large shallow river flow through fields and rough

Plants of note: None

Major conservation features: None

Major impacts: None

Incidental observations (animals etc): None

IFE (channel only) ☒

S. DISEASED ALDERS (Tick one box)

None ☒

Present ☐

Extensive ☐

Other diseased trees? State:

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for passing - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFE, P-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3738

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SP 703870 River: ULLWIND

Date 22.15.1995 Time: 13.00 Surveyor name: J.B. 74 PM 16 AK 70m

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 1/2 m board

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/mix 2 max

D NUMBER OF RIPPLES, POOLS AND POINT BARS (Use IFE then indicate total number)

Ripples 6 Unvegetated point bars 1

Pools 1 Vegetated point bars 4

IFE - mod - see survey notes

National Rivers Authority

Notes: Record planned visited data

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Ripples ☒ Pools ☐ Unvegetated point bars ☐ Vegetated point bars ☐

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (J) Mark position of feature (K)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

Spot check 2 is at: downstream end ☐ of site ☒ (tick one)

LEFT BANK (looking downstream)

Bank material (fine) FA FA FA FA FA FA FA FA FA FA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank features(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL NOTE (Use 1-10 for channel quality, 11-20 for bank quality, 21-30 for floodplain quality)

Channel substrate (fine) SA SA CL CL ST GP ST ST CL GP

Flow type (fine) FF CL LW CF AF SF SF SF SF SF SF SF SF SF SF

Channel modification(s) NO NO NO NO NO NO NO NO NO NO

Channel features(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (looking downstream)

Bank material (fine) FA FA FA FA FA FA FA FA FA FA

Bank modification(s) NO NO NO NO NO NO NO NO NO NO

Bank features(s) NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from SL, CL, HL, IC, SP, VL, OR, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 5m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK TOP (structure within 5m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one cross use E (to 15% area) or F (greater))

NONE (tick) Plant green (tick one)

Liverworts mosses/lichens ☐ Plant green ☒

Emergent broad-leaved herbs ☐ Plant green ☒

Emergent reeds ☐ Plant green ☒

Floating-leaved (rooted) ☐ Plant green ☒

Free-floating ☐ Plant green ☒

Amphibious ☐ Plant green ☒

Submerged - broad-leaved ☐ Plant green ☒

Submerged fine ☐ Plant green ☒

Filamentous, algae ☐ Plant green ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use 1-10 for types of plants, 11-20 for species of plants

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO. 3738

H LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F if present)

Broads/lowland woodland (BL) Wetland (eg bog, marsh, fen) (WZ)

Coniferous plantation (CP) Open water (OW)

Moorsland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (to 33% banklength) or F if present)

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ ☒ Resectioned ☐ ☐

Vertical + toe ☐ ☐ Reinforced - whole bank ☐ ☐

Steep (> 45°) ☐ ☐ Reinforced - top only ☐ ☐

Gravel ☐ ☐ Reinforced - toe only ☐ ☐

Composite ☐ ☐ Artificial two-stage ☐ ☐

Use this space to draw profile if different from above, after 60m predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

None ☐ Left ☐ Right ☐ None ☐ Present ☐ None ☐ Present ☐ None ☐ Present ☐

Isolated/scattered ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Regularly spaced, single ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Occasional clumps ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Semi-cohesive ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Cohesive ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature)

E > 15% ☐ None ☐ Present ☐ None ☐ Present ☐ None ☐ Present ☐

Shading of channel ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Overhanging boughs ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Exposed bankside roots ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Underwater tree roots ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Fallen trees ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Coarse woody debris ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ None ☐ Present ☐ None ☐ Present ☐ None ☐ Present ☐

Cascade(s) - chute ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Step/pool sequence ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Rapids(s) - whitewater ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Riffle-pool sequence ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Race(s) - disturbed, rippled ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Boil(s) - upwellings ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Glide(s) - smooth, no eddies ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Marginal deadwater - slick ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Exposed bedrock ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Exposed boulders ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unvegetated mid-channel bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Vegetated mid-channel bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Mature island(s) ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unvegetated side bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Vegetated side bars ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Backstop width (m) 5 RIGHT BANK

Backstop height (m) 1.5 Water width (m) 1.5 Backstop height (m)

Embankment height (m) 0.15 Water depth (m) 0.15 Embankment height (m)

If trashline lower than backstop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (empty) ☐ - unconsolidated (stone) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use IFE to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Featherbeds = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ moving ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/wide channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use IFE or E, with sketch if possible)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Urban Paving Stream between fields, some light meadows

Plants of note:

Major conservation features:

Major impacts: Agricultural land

Incidental observations (animals etc):

IFE 2 channel only by left bank of island

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARRENHAM, B103 4BB

Envelopes supplied! Post completed forms for processing. Labels supplied as per

NRA RIVER HABITAT SURVEY 1995: IFB - P.1 A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION:

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS:

Reference network site number: 3940
Mid-section grid reference of network site (if different from designated location):
COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: 596200 River: Ibijes Creek / Rive
Date 9.5.1995 Time: 13:15 Surveyor name: (with grade) 62 miles NW of ...
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: ...
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general features? No ☐ Yes ☐ (tick one box) with site No ☐ Estimated - return with request of features? ☐ ☐
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes/mile down

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles 11 Unvegetated point bars 4
Pools 1 Vegetated point bars 1
(If E-m-d - see notes on page 2)

National Rivers Authority

DATES: record named nicholas 1995.12.15

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 11 Pools 1 Unvegetated point bars 4 Vegetated point bars 1

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone)

Spot check 1 in all upstream and downstream (tick one box)

LEFT BANK Looking down stream

Bank material (fine) CA FA EC GA GS GSS GSS GSS GSS
Bank modification(s) NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO NO NO NO NO NO
Channel substrate (fine) GP CO CO CO GP GP GP GP GP
Flow type (fine) SN RP RP RP RP RP RP RP RP
Channel modification(s) NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO NO NO NO NO NO

RIGHT BANK Looking down stream

Bank material (fine) LA FA FA FA GS GS GS GS GS
Bank modification(s) NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO

F BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from AL, CL, HR, SC, SP, SL, CR, SO, TL, SW

LAND USE WITHIN 5m OF BANK TOP (L)

LEFT BANK TOP (structure within 1m) RASC U S U S S S S S S
LEFT BANK FACE (structure) RASC U S B S B S B S B
RIGHT BANK FACE (structure) RASC S U U S S U S U S
RIGHT BANK TOP (structure within 1m) RASC S U U U U U U U U
LAND USE WITHIN 5m OF BANK TOP (R) RP TL TL TL TL TL TL TL TL TL

G CHANNEL VEGETATION TYPES (tick in relevant boxes with one except use E (to 33% area) or if present)

NONE (fine) Plant species (tick one box)
Emergent broad-leaved herbs ☒ *Phytolacca*
Emergent narrow-leaved herbs ☒ *Phytolacca*
Floating-leaved (free) ☒ *Phytolacca*
Free-floating ☒ *Phytolacca*
Amphibious ☒ *Phytolacca*
Submerged broad-leaved ☒ *Phytolacca*
Submerged fine-leaved ☒ *Phytolacca*
Filamentous algae ☒ *Phytolacca*

Use and "checkbox" column for types not occurring in spot checks as well as overall assessment over 500m (use E or V)

Notes: Use 1-11 for riffles, 1-11 for pools, 1-11 for point bars, 1-11 for vegetation features

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 5m OF BANKTOP (Use E (to 33% banklength) or if present)

Presettlement woodland (BL) E Wetland (eg bog, marsh, fen) (WZ)
Coniferous plantation (CT) Open water (OW)
Woodland/scrub (SH) Improved/semi-improved grass (IG) ☒
Scrub (SC) Tilled land (TL) F
Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (to 33% banklength) or if present)

Natural/modified L R Artificial/modified L R
Vertical/undrained ☒ ☒ Resected ☒
Vertical + toe ☒ ☒ Reinforced - whole bank ☒
Steep (> 45°) ☒ ☒ Reinforced - top only ☒
Grass ☒ ☒ Reinforced - toe only ☒
Composite ☒ ☒ Artificial two-stage ☒
Prestaked ☒
Embankment ☒
Set-back embankments ☒

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☐ Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (tick one box per feature)

E 2/3% None Present E None Present E None Present E
Shading of channel ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Overhanging boughs ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Exposed bankside roots ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Underwater tree roots ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Fallen trees ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Coarse woody debris ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐

K EXTENT OF CHANNEL FEATURES (tick one box per feature)

None Present E None Present E None Present E
Marginal deadwater - slack ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Exposed bedrock ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Exposed boulders ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Unvegetated mid-channel bars ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Vegetated mid-channel bars ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Mature island(s) ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Unvegetated side bars ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Vegetated side bars ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Have you completed your squares from this week? (and 6 PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Backstop width (m) 3 Backstop height (m) 3.5
Backstop height (m) 3 Water width (m) 4 Backstop height (m) 3.5
Embankment height (m) 0.5 Embankment height (m) 0.5
If unstable lower than backstop break in slope, indicate height (m) 1 width (m) 1

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (if E only)

M ARTIFICIAL FEATURES (tick appropriate boxes)

None ☐ Number of Culverts = 2 Weirs = 0 Outfalls = 2 Ponds = 0
Is water level controlled by weirs/dams downstream? ☐ Part of site ☐ Mouth of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

dredging ☐ moving ☐ Other? Site ☐
wood-cutting ☐ replacement ☐

O FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (note) ☐
Bridled/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (tick appropriate boxes)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Site ☐ Notes: ...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: fast flowing stream, many & eroding earth cliffs
Phrase of note: locally altered stream, fast flowing and varied features
Major conservation features: ☐
Major impacts: ☐
Incidental observations (animals etc): Kingfisher

S DISTURBED ALBERS (tick one box)

None ☒ Present ☐ Extensive ☐ Other (note) ☐ Site ☐

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6EB

Envelopes supplied! Pack completed forms for posting. Labels supplied separately

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NRA RIVER HABITAT SURVEY 1995

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source(km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3243

Mid-section grid reference of network site if different from designated location: Arg

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: Highford

Date: 11.1.95 Time: _____ Surveyor name: CC/13








Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Duplicate plotting of general character? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

 <input checked="" type="checkbox"/> shallow vee  <input type="checkbox"/> deep vee  <input type="checkbox"/> gorge  <input type="checkbox"/> concave/bowl	 <input type="checkbox"/> terraced valley floor  <input type="checkbox"/> symmetrical floodplain  <input type="checkbox"/> asymmetrical floodplain
---	---

Int. 2nd & 3rd sites + notes / EXTRA DIAGRAM

D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick [] then indicate total number)

Rifles <input type="checkbox"/>	Unvegetated point bars <input type="checkbox"/>
Pools <input type="checkbox"/>	Vegetated point bars <input type="checkbox"/>

National Rivers Authority

Page 2 of 4

Spot check 1 is at upstream end ☐ downstream end ☒ of site (tick one box)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone) (4) *width of channel*

Mid. = (Stream) ☐ = true entry only














	1	2	3	4	5	6	7	8	9	10	ALL
LEFT BANK											
Mid. <input checked="" type="checkbox"/> BE, BO, CO, GA, JA, JE, LE, CF, SP, WF, UG, VJ, XZ, YZ, BW	CA	CP	LA	EA	EA	CP	FA	GA	GA	CP	
Bank modification(s) <input checked="" type="checkbox"/> NO, ZL, PC, M, J, M	RS	LS	LS	RS	LS	LS	PC	LS	LS	LS	
Bank feature(s) <input checked="" type="checkbox"/> NO, M, JC, F, B, VP, SP, VJ	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
Channel <input checked="" type="checkbox"/> JE, CF, SP, WF, UG, VJ, XZ, YZ, BW	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
Channel modification(s) <input checked="" type="checkbox"/> NO, M, JC, F, B, VP, SP, VJ	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
Channel feature(s) <input checked="" type="checkbox"/> NO, M, JC, F, B, VP, SP, VJ	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
Flow type <input checked="" type="checkbox"/> JE, CF, SP, WF, UG, VJ, XZ, YZ, BW	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
Channel modification(s) <input checked="" type="checkbox"/> NO, M, JC, F, B, VP, SP, VJ	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
Channel feature(s) <input checked="" type="checkbox"/> NO, M, JC, F, B, VP, SP, VJ	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
RIGHT BANK											
Mid. <input checked="" type="checkbox"/> BE, BO, CO, GA, JA, JE, LE, CF, SP, WF, UG, VJ, XZ, YZ, BW	CA	CP	LA	EA	EA	CP	FA	GA	GA	CP	
Bank modification(s) <input checked="" type="checkbox"/> NO, ZL, PC, M, J, M	RS	LS	LS	RS	LS	LS	PC	LS	LS	LS	
Bank feature(s) <input checked="" type="checkbox"/> NO, M, JC, F, B, VP, SP, VJ	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
F. BANK OF LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)											
Mid. <input checked="" type="checkbox"/> BE, BO, CO, GA, JA, JE, LE, CF, SP, WF, UG, VJ, XZ, YZ, BW	CA	CP	LA	EA	EA	CP	FA	GA	GA	CP	
Bank modification(s) <input checked="" type="checkbox"/> NO, ZL, PC, M, J, M	RS	LS	LS	RS	LS	LS	PC	LS	LS	LS	
Bank feature(s) <input checked="" type="checkbox"/> NO, M, JC, F, B, VP, SP, VJ	LS	LS	LS	LS	LS	LS	PC	LS	LS	LS	
LAND USE WITHIN 5m OF BANKTOP (L)											
LEFT BANK-TOP (structure within 5m) BA/VC	C	C	C	S	C	S	S	C	S	C	
LEFT BANK FACE (structure) BA/VC	C	C	C	S	C	S	S	C	S	C	
RIGHT BANK FACE (structure) BA/VC	C	C	C	S	C	S	S	C	S	C	
RIGHT BANK-TOP (structure within 5m) BA/VC	C	C	C	S	C	S	S	C	S	C	
LAND USE WITHIN 5m OF BANK TOP (R)											
CLANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (in 33% area) or L (covering))											
NONE (tick as appropriate) / FLOW CENTER S											
Upriver/mosses/lichens											
Emergent broad-leaved beds				✓	✓	✓			✓		
Emergent narrow-leaved/raab	✓	E	E	E	E	E	E	E	E	E	
Floating-leaved (rooted)											
Free floating											
Aquatic											
Emergent broad-leaved				✓	✓						
Emergent fine-linear-leaved											
Decomposing algae				✓	✓						

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (in E or L) ↑

I LAND USE WITHIN 1 km OF BANKSTO THE E (R. 33% banklength) or if present

	L	R		L	R
Broadleaved woodland (BL)			Wetland (e.g. bog, marsh, fen) (WT)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)		<input checked="" type="checkbox"/>	Tilled land (TL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rough pasture (RP)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

1st - 4th BANK PROFILES Use R (R. 33% banklength) or if present:

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/bankcut 		<input checked="" type="checkbox"/>	Reexcavated 		
Vertical + toe 		<input checked="" type="checkbox"/>	Reinforced - whole bank 		
Step (> 45°) 		<input checked="" type="checkbox"/>	Reinforced - top only 		
Gentle 		<input checked="" type="checkbox"/>	Reinforced - tree only 		
Composite 		<input checked="" type="checkbox"/>	Artificial two-stage 		
Use this space to draw profile of different from above, after visiting professional bank			Poached 		
			Embanked 		
			Sci-bark embankments 		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)	L/R	Right	E ± 33%	ASSOCIATED FEATURES (Tick one box per feature)		
				None	Present	±33%
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sliding of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed buttress roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Understorey tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

NOTE: EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal dead-water - slack	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marsh island(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CHANNEL REGRESSIONS to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK

Banktop height (m)	2.5	Banktop width (m)	2.0	RIGHT BANK	
Bankface height (m)	2.5	Water width (m)	6.0	Banktop height (m)	2.0
Bankface height (m)	2.5	Water depth (m)	2.2	Bankface height (m)	2.0

If bankline lower than banktop back in slope, indicate: height (m) \rightarrow width (m) \rightarrow

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ eddy ☒ pick run bar ☐ slope (SEE only)

ARTIFICIAL FEATURES (Use ☐ indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Roadbridges = Others =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☒ Other? ☐
wind-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (note) ☐
Bankside channels ☐ Natural open water ☐ Crag ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (Tick one box)

Is 25% or more of the channel choked with vegetation? NO ☐ YES ☒

NOTABLE NUISANCE PLANT SPECIES (One or more) NETTLE, RUDIVICKIA, BURNING

Giant Hogweed ☒ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐

BRIEF DESCRIPTION (Use prompt and key words as appropriate) Tick ☐ SENTENCE(s)

Extremely choked, still water channel. Follows soft water for 2 km. in situ concrete bridge built 20 years ago.

Descriptive features

State of bank

Other conservation features

Other impacts

Identical observations (animals etc)

CHEMICAL ANALYSES (Tick ☐ ANALYSED ☐)

DISPERSED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other dispersed trees ☐ Site ☐

COMPLETED FORM TO HUGH DAWSON, JR, RIVER LABORATORY, EAST STOK, WAREHAM, BH20 6BN

NRA RIVER HABITAT SURVEY 1995 IFE P-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3745 only 1 bank visible on the site is

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES JL DH (HCC) ML

Grid Reference: River: Telfh

Date: 22.1.1995 Time: 9.45 Surveyor name: GC MLV HD NG FWD

Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Distribute photographs: general character? No ☐ Yes ☐ (tick one box) with site map!

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl + notes/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - mid - see only 1995

National Rivers Authority

DATES: Record framed initiated detailed checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☐ Pools ☐ Unvegetated point bars ☐ Vegetated point bars ☐

E PHYSICAL ATTRIBUTES (to be assessed across channel, within a 1m wide zone) (Mark position of feature)

Spot check 1 is at: upstream end ☐ of site ☐ downstream ☐ (tick one)

LEFT BANK - looking down-river

Mat. BE,BO,CO,GE,LA,PE,CE,CC,SP,WP,GA,RR,BW

Bank modification(s) ☒ NO,RS,RI,PC,BN,EN

Bank feature(s) ☒ NK,NO,EC,SC,FB,VP,SB,VS

CHANNEL NOTE: Use shaded area to indicate aspects of interest

Channel substrate (one) NV,RE,BO,CO,CP,SA,SI,CL,AR

Flow type (one) FF,OL,BW,UV,CF,RP,UP,SH,AP,NO

Channel modification(s) ☒ NK,NO,RE,RI,DA,FO

Channel feature(s) ☒ NO,RO,AR,BN,RI,TR

RIGHT BANK - looking down-river

Mat. BE,BO,CO,GE,LA,PE,CE,CC,SP,WP,GA,RR,BW

Bank modification(s) ☒ NO,RS,RI,PC,BN,EN

Bank feature(s) ☒ NK,NO,EC,SC,FB,VP,SB,VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, NH, SC, RP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUS/C

LEFT BANK FACE (structure) BAUS/C

RIGHT BANK FACE (structure) BAUS/C

RIGHT BANK-TOP (structure within 1m) BAUS/C

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (present))

NONE tick ☒ Plant genera (list in notes)

Liverworts ☐ Mosses/lichens ☐ Alder ☐

Emergent broad-leaved herbs ☐

Emergent reeds/strawberries ☐

Floating-leaved (rooted) ☐

Free-floating ☐

Amphibious ☐

Submerged - broad-leaved ☐

Submerged float-leaved ☐

Filament, algae ☐

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

PLANTS - Use 1-11 to indicate of Genus or P to indicate Genus + species if possible of both part & P to indicate part

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P (present))

L R L R

Broadleaf/mixed woodland (BL) Wetland (eg bog, marsh, fen) (WL)

Coniferous plantation (CP) Open water (OW)

Moorland/heath (MH) Improved/semi-improved grass (IG)

Scrub (SC) Tilled land (TL)

Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or P (present))

Natural/unmodified L R Artificial/modified L R

Vertical/undercut ☒ Reactioned ☐

Vertical + toe ☒ Reinforced - whole bank ☐

Steep (> 45°) ☒ Reinforced - top only ☐

Gentle ☒ Reinforced - toe only ☐

Composite ☒ Artificial two-stage ☐

Use this space to draw profile if different from above, after taking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES (Tick one box per bank) ASSOCIATED FEATURES (Tick one box per feature)

None Left Right ☒ E ≥ 33% None Present E ☒ NO YES

Isolated/scattered ☐ Shading of channel ☒

Regularly spaced, single ☐ Overhanging boughs ☒

Occasional clumps ☐ Exposed bankside roots ☒

Semi-continuous ☒ Underwater tree roots ☐

Continuous ☐ Fallen trees ☐

Coarse woody debris ☒

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None Present E None Present E ☒ NO YES

Waterfall(s) - free-fall ☒ Marginal deadwater - slack ☒

Cascades(s) - chute ☒ Exposed bedrock ☒

Step/pool sequence ☒ Exposed boulders ☒

Rapid(s) - whitewater ☒ Unvegetated mid-channel bars ☒

Riffle-pool sequence ☒ Vegetated mid-channel bars ☒

Rut(s) - disturbed, rippled ☒ Mature island(s) ☒

Boil(s) - upwellings ☒ Unvegetated side bars ☒

Glide(s) - smooth, no eddies ☒ Vegetated side bars ☒

Have you completed your exposure from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK RIGHT BANK

Banktop width (m) 11m

Banktop height (m) 1.2m

Water width (m) 1.2m

Banktop height (m) 1.2m

Embanked height (m) 1.2m

Water depth (m) 1.2m

Embanked height (m) 1.2m

If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-11 to indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Fords =

Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State:

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-11 or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State:

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: River bordered on one side by a line of open water/cutland native/bird reserve & on other side by wooded "carr" to an embankment with 5m of hedges along the top. Site diagram, ground grazed (L bank), but no animals on site.

Plants of note: See above, also run on well (small side) on right

Major conservation features: Flora/fauna relationship of river to wetland

Major impacts:

Incidental observations (animals etc):

IFE chemical sample taken B filtered

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, B120 6BB

Envelopes supplied! Post completed files for processing - labels supplied - stamps

NRA RIVER HABITAT SURVEY 1995: IFB P.A.A. Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3766

Mid-section grid reference of network site if different from designated location: Angle

COMPLETE THE FOLLOWING FOR ALL SITES JL DH H CC ML

Grid Reference: River: Crest C.A.

Date 18/12/1995 Time: 11:15 Surveyor name: TS, TH, PH, IG, AK, TAO

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with S.W. on board

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☒ + notes: with S.W. on board

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE-mod - see 2001 spec

National Rivers Authority

JATES, record prepared validated date

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

LEFT BANK: looking downstream

Mat. BEAD, CO, GLE, FE, CL, CC, SP, WP, GI, BR, AR, SW

Bank modification(s) ☒ NO, BE, AL, FC, AN, EN

Bank feature(s) ☒ NO, BE, AL, FC, AN, EN

CHANNEL NOTE - Use bank feature(s) to describe channel

Channel substrate (fine) NU, BE, SO, CO, GP, SI, CL, AR

Flow type (one) NP, NP, NP, NP, NP, NP, NP, NP, NP, NP

Channel modification(s) ☒ NO, BE, AL, FC, AN, EN

Channel feature(s) ☒ NO, BE, AL, FC, AN, EN

RIGHT BANK: looking upstream

Mat. BEAD, CO, GLE, FE, CL, CC, SP, WP, GI, BR, AR, SW

Bank modification(s) ☒ NO, BE, AL, FC, AN, EN

Bank feature(s) ☒ NO, BE, AL, FC, AN, EN

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CL, CP, MH, SC, RP, VE, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) NU, BE, SO, CO, GP, SI, CL, AR

LEFT BANK FACE (structure) NU, BE, SO, CO, GP, SI, CL, AR

RIGHT BANK FACE (structure) NU, BE, SO, CO, GP, SI, CL, AR

RIGHT BANK-TOP (structure within 1m) NU, BE, SO, CO, GP, SI, CL, AR

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% cover) or / (present))

NONE (tick) ☒ Plant genera (tick one)

LIVERWORT ☐ Mosses/lichens ☐ Emergent broad-leaved herbs ☐ Emergent reeds ☐ Floating-leaved (rooted) ☐ Free-floating ☐ Amphibious ☐ Submerged ☐ Submerged float-leaved ☐ Filament, algae ☐

Use and 'catchall' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

Notes: Use 1/1 to indicate types not occurring in spot checks as well as overall assessment over 500m (use E or /)

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predominant box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per bank)

TREES	Left	Right	Notes	None	Present	E	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	E	Notes
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>		
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>		
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>		
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>		
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>		
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>		
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>		
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Have you completed your queries from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Embankment height (m)
	0-5	0-5	0-5	0-5	0-5

If bankline lower than banktop break in slope, indicate: height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/1 to indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Footbridges = Roadbridges = Other = CONTINUOUS STRUCTURAL POINT ON BANK

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: None

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): None

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Non-point channel, wide, 1.5m deep, slow moving, with soft bank, with extensive vegetation along watercourse, 1.5m wide, 1.5m deep, with extensive vegetation along watercourse.

Plants of note: None

Major conservation features: None

Major impacts: None

Incidental observations (animals etc): None

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORM TO NICHOL DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed form for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995 IFA 10-1-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? _____ Navigation? _____

B FIELD SURVEY DETAILS

Reference network site number: 375

Mid-section grid reference of network site if different from designated location: Angle

COMPLETE THE FOLLOWING FOR ALL SITES JL DH IH CC ML

Grid Reference: _____ River: Stk

Date: 19/5/1995 Time: 17.45 Surveyor name: JB, JW, FH, IG, AK, TGM

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state _____

Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) with 50m NGA on!

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + NOTES/extra diagrams

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)

Riffles _____ Unvegetated point bars _____

Pools _____ Vegetated point bars _____

IFA 10-1-A - See 10-1-1 (2)

National Rivers Authority

DATES: Record planned visited deliver checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles (at) _____ Pools _____ Unvegetated point bars _____ Vegetated point bars _____

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick position of feature)

Spot check 1 is at: upstream and downstream ☐ of site ☒ (tick one)

LEFT BANK: looking downstream

Mat. BE, SO, CO, GL, SL, PE, CL, CC, SP, WF, GA, BR, AR, BW

Bank modification(s) ☐ NO, RI, AL, PC, BH, EM

Bank feature(s) ☒ AK, NO, EC, JC, FE, VP, SR, VS

CHANNEL NOTE - Use suitable for notes of interest

Channel substrate (one) BE, SO, CO, GL, SL, PE, CL, CC, SP, WF, GA, BR, AR, BW

Flow type (one) FF, OL, BW, WF, CF, AF, UP, SH, NP, NO

Channel modification(s) ☐ AK, NO, RI, AL, PC, BH, EM

Channel feature(s) ☐ NO, RI, AL, PC, BH, EM

RIGHT BANK: looking upstream

Mat. BE, SO, CO, GL, SL, PE, CL, CC, SP, WF, GA, BR, AR, BW

Bank modification(s) ☐ NO, RI, AL, PC, BH, EM

Bank feature(s) ☒ AK, NO, EC, JC, FE, VP, SR, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, AP, WL, OW, NS, TU, SP, etc.

LAND USE WITHIN 5m OF BANKTOP (L) SC, CP, SP, GA, CA, FA, CH, PA, EA

LEFT BANK-TOP (structure within 1m) BL/SC

LEFT BANK FACE (structure) BL/SC

RIGHT BANK FACE (structure) BL/SC

RIGHT BANK-TOP (structure within 1m) BL/SC

LAND USE WITHIN 5m OF BANK TOP (R) WL, CP, SP, GA, CA, FA, CH, PA, EA

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E to 33% area) or ✓ (present)

NONE (tick) ☐ Plant genera (tick one)

Emergent broad-leaved herbs ☒ Sparganium angustifolium

Emergent reeds ☒ Phragmites australis

Emergent sedges ☒ Scirpus atrovirens

Free-floating ☒ Potamogeton amplifolius

Amphibious ☒ Sparganium angustifolium

Submerged broad-leaved ☒ Elodea canadensis

Submerged fine-leaved ☒ Elodea canadensis

Filamentous, algae ☒ Cladophora

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

PLANTS - Use 1st 4 letters of genus & 1st 3 letters of species if possible eg Potamo = Potamogeton amplifolius

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E to 33% banklength) or ✓ if present

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)	✓	✓	Suburban/urban development (SU)		

I BANK PROFILES (Use E to 33% banklength) or ✓ if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe	✓	✓	Reinforced - whole bank		
Steep (> 45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite	✓	✓	Artificial two-stage		
			Poshed		
			Embanked		
			Set-back embankment		

Use this space to draw profiles if different from above, after ticking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	NOTES
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E		None	Present	E	NOTES
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascades(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rue(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	14 - 5	RIGHT BANK
Banktop height (m)	Water width (m)	16 - 5	Banktop height (m)
Embanked height (m)	Water depth (m)		Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) _____ width (m) _____

Bed material at site: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only) _____

M ARTIFICIAL FEATURES (Use 111 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____

Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Other ☒ SWICE GATE

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ Spot, L Bank _____ mowing ☐ Top R Bank _____

weed-cutting ☐ enhancement ☐ Other? State _____

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use ✓ or E) Nettle, Shepherd's Purse

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State _____

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) The Searles(s)

Descriptive sentence: TYPICAL STRAIGHT CHANNEL, REMOTE, RURAL, L BANK MAINLY OVERGROWN, REGULARLY SPACED FISHING 'STAGES', R BANK - LARGESIDE FISHING CLUB, WATER WOULD BE SUITABLE FOR SWIMMING, LARGESIDE FISHING CLUB

Major conservation features: _____

Major impacts: Spraying adjacent fields

Incidental observations (animals etc): Divers (Wet)

IFE Channel swept by John D. filtered

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State _____

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3742

Mid-section grid reference of network site if different from designated location: *High*

COMPLETE THE FOLLOWING FOR ALL SITES *JL DH IH CC ML*

Grid Reference: River: *38.74 FH 14 AK 760*

Date: 22/11/1995 Time: 10:00 Surveyor name: *GC MLY NO 126 FWD*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) *with 50m log on!*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl *+ notes on the diagram*

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE (1-10) = *see notes on page 1*

National Rivers Authority

DATES: heard prepared visited details

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream ☐ (tick one)

LEFT BANK: looking downstream

Mat. *BL, BO, CO, CL, EL, FE, GL, CC, SP, WP, GA, BR, RW*

Bank modification(s) ☐ NO, RL, PL, CL, BL, EL

Bank feature(s) ☒ NO, NO, SC, SC, PS, PS, VS, VS

CHANNEL NOTE *Use in bank for*

Channel substrate (fine) *W, BL, BO, CO, CL, EL, FE, GL, CC, SP, WP, GA, BR, RW*

Flow type (one) *FF, CL, EL, FE, GL, CC, SP, WP, GA, BR, RW*

Channel modification(s) ☐ NO, NO, SC, SC, PS, PS, VS, VS

Channel feature(s) ☐ NO, NO, SC, SC, PS, PS, VS, VS

RIGHT BANK: looking upstream

Mat. *BL, BO, CO, CL, EL, FE, GL, CC, SP, WP, GA, BR, RW*

Bank modification(s) ☐ NO, RL, PL, CL, BL, EL

Bank feature(s) ☒ NO, NO, SC, SC, PS, PS, VS, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, NH, SC, RP, WL, OW, IG, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) *BAUSC*

LEFT BANK FACE (structure) *BAUSC*

RIGHT BANK FACE (structure) *BAUSC*

RIGHT BANK-TOP (structure within 1m) *BAUSC*

LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or / (present))

NONE (tick) *Plant genera (but not species)*

Liverworts ☐ Mosses/algae ☐ Emergent broad leaved herbs ☒ Emergent reeds/ sedges/ rushes ☒ Floating-leaved (rooted) ☒ Free-floating ☐ Amphibious ☐ Submerged - broad-leaved ☒ Submerged - fine-leaved ☒ Filamentous algae ☒

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

NOTES *Use net 4m x 1m of grassy area for vegetation + species of plants eg. Potho feet & Polyanthus*

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

BL Broadleaf/mixed woodland *WL* Wetland (eg bog, marsh, fen)

CP Coniferous plantation *OW* Open water

MH Moorland/heath *IG* Improved/semi-improved grass

SC Scrub *TL* Tilled land

RP Rough pasture *SU* Suburban/urban development

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

Natural/unmodified *L* *R* Artificial/modifed *L* *R*

Vertical/unexcavated *L* *R* Resectioned *L* *R*

Vertical + toe *L* *R* Reinforced - whole bank *L* *R*

Slope (>45°) *L* *R* Reinforced - top only *L* *R*

Gentle *L* *R* Reinforced - toe only *L* *R*

Composite *L* *R* Artificial two-stage *L* *R*

Use this space to draw profile of left bank from above, after taking 10m transect box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Left ☐ Right *NOTES* *E ≥ 33%*

Isolated/scattered ☐ ☐ Shading of channel ☐ ☐ *NOTES*

Regularly spaced, single ☐ ☐ Overhanging boughs ☐ ☐

Occasional clumps ☐ ☐ Exposed bankside roots ☐ ☐

Semi-continuous ☐ ☐ Underwater tree roots ☐ ☐

Continuous ☐ ☐ Fallen trees ☐ ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

None ☐ Present *E* *NOTES*

Waterfalls (free-fall) ☐ ☐ Marginal deadwater - slack ☐ ☐

Cascade(s) - chute ☐ ☐ Exposed bedrock ☐ ☐

Step/pool sequence ☐ ☐ Exposed boulders ☐ ☐

Rapids(s) - whitewater ☐ ☐ Unvegetated mid-channel bars ☐ ☐

Fiffle-pool sequence ☐ ☐ Vegetated mid-channel bars ☐ ☐

Flow(s) - disturbed, rippled ☐ ☐ Mature island(s) ☐ ☐

Boil(s) - upwellings ☐ ☐ Unvegetated side bars ☐ ☐

Glides(s) - smooth, no eddies ☐ ☐ Vegetated side bars ☐ ☐

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) *11.0*

Banktop height (m) *0.5*

Embanked height (m) *1.0*

RIGHT BANK

Banktop width (m) *11.0*

Banktop height (m) *0.5*

Embanked height (m) *1.0*

Water depth (m) *1.0*

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = *0* Weirs = *0* Outfalls = *0* Fords = *0*

Footbridges = *0* Roadbridges = *0* Other = *0*

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 7 State *...*

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) *...*

Braided/side channels ☐ Natural open water ☒ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☒

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use / or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State *...*

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: *How good is river & slope in places - very natural looking banks RP totally on L bank, R bank is overgrown (fence line) in places.*

Plants of note: *Extensive reed bed & grass & swards - very overgrown in places*

Major conservation features: *(no dead, not enough)*

Major impacts: *Water (contaminated) via pipe (not to water, (to fish) - small stream of oil over bank. (not to water, (to fish) - small stream of oil over bank. (not to water, (to fish) - small stream of oil over bank.*

Incidental observations (animals etc): *Have, no birds*

IFE 3 channel sample taken D. filtered *...*

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State *...*

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFE - M & A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3749
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES (JL DH) 1H CC ML

Grid Reference: River: 39.7W PM 16 AK 78W
Date: 10/16/1995 Time: 10:23 Surveyor name: G.C. M.D. W. 126 C.D.
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Dredging photographs: general character? No ☐ Yes ☒ (tick one box) with site map!
Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + Notes/extra Diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)

Riffles ☐ Unvegetated point bars ☐
Pools ☐ Vegetated point bars ☐
IFE - Mod - See over page 2

National Rivers Authority

DAES. Record prepared validated detailed checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (Mark (✓) feature (✓))

Spot check 1 is at: upstream end ☐ of site ☐ (tick one)
1 2 3 4 5 6 7 8 9 10

LEFT BANK: looking downstream

Mat. ☒ EA EA EA EA EA EA EA EA EA EA
Bank modification(s) ☒ NO AS, N, PC, BM, EN RS RS RS RS RS RS RS RS RS RS
Bank feature(s) ☒ NO, NO, EC, SC, FB, VP, SB, VS NO NO NO NO NO NO NO NO NO NO
CHANNEL NOTE: Use the following notes to describe the channel
Channel substrate (one) ☒ NO, BE, BO, CO, GP, SA, SL, CL, AR 61 GP SA SP VA FA SA SA GP DA
Flow type (one) ☒ FF, CH, EW, UW, CP, SP, UP, SH, SP, NO SM SM SM SM SM SM SM SM SM SM
Channel modification(s) ☒ NO, NO, AS, N, DA, FO NO NO NO NO NO NO NO NO NO NO
Channel feature(s) ☒ NO, NO, AS, N, DA, FO NO NO NO NO NO NO NO NO NO NO
RIGHT BANK: looking upstream

Mat. ☒ EA EA EA EA EA EA EA EA EA EA
Bank modification(s) ☒ NO, AS, N, PC, BM, EN RS RS RS RS RS RS RS RS RS RS
Bank feature(s) ☒ NO, NO, EC, SC, FB, VP, SB, VS NO NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, TL, SU
LAND USE WITHIN 5m OF BANKTOP (L) RL RL RL RL RL RL RL RL RL RL
LEFT BANK-TOP (structure within 1m) B/USC S S S S S S S S S S
LEFT BANK FACE (structure) B/USC B B B B B B B B B B
RIGHT BANK FACE (structure) B/USC S B B B B B B B B B
RIGHT BANK-TOP (structure within 1m) B/USC U S S S S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC SC

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or ✓ (present))

NONE (tick) Plant genera (first entry)
Liverworts ☐ Mosses/lichens ☐ Mid. ☒
Emergent broad ☐
Emergent reeds/ ☐ ☒
Floating-leaved ☐ ☒
Free-floating ☐
Amphibious ☐
Submerged - broad-leaved ☐
Submerged fine ☒
Filament, algae ☒
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓) ↑

PLANTS - Use 1st 4 letters of Genus or Pol. or Pol. + Genus
+ species if possible of Pol. part is Pol. + Genus part

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or ✓ if present)

Broadleaf/mixed woodland (BL) E E Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) Open water (OW)
Moorland/heath (MH) Improved/semi-improved grass (IG)
Scrub (SC) Tilled land (TL)
Rough pasture (RP) Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or ✓ if present)

Natural/unmodified L R Artificial/modified L R
Vertical/undercut ☒ ☒ Resectioned ☒
Vertical + toe ☒ Reinforced - whole bank ☒
Steep (> 45°) ☒ Reinforced - top only ☒
Gentle ☒ Reinforced - toe only ☒
Composite ☒ Artificial two-stage ☒
Use this space to draw profile if different from above, after taking predetermined box
Peached ☒
Embanked ☒
Set-back embankments ☒

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	Notes	Associated Features (Tick one box per feature)	None	Present	E	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	Notes	None	Present	E	Notes
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 2.75m RIGHT BANK
Banktop height (m) 1.75m Water width (m) 15m Banktop height (m) 1.50m
Embanked height (m) 1m Water depth (m) 1m Embankment height (m) 1m
If trashline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (HFE-m/s) 1

M ARTIFICIAL FEATURES (Use 111 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 1
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: ☐
weed-cutting ☒ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? No ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use ✓ or E)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettle (P.)

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: THE RIVER SHOWS EVIDENCE OF A CUTTING WHICH HAS
SUBSTANTIALLY CHANGED THE CHANNEL FROM A LONG SECTION
OF "BUL" BANK INTO A SERIES OF GORGES.
Major conservation features: CHANNEL IS WITHIN BOUNDARY OF RASHBURN & SHIPBURN
Incidental observations (animals etc): THE RIVER FLOWS THROUGH THE FOREST.

IFE 3 channel samples taken & filtered

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORMS TO IUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6UB
Envelopes supplied! Post completed forms for processing. Labels supplied on site

NRA RIVER HABITAT SURVEY 1995 IFA 1-A-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 1750
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES (JL DH 1H CC ML)
Grid Reference: River:
Date: 1995 Time: 10:00 Surveyor name: JG MLV NO 1/6 FND
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:
Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) Site No. 1
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + NOTES/other description

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE - In-d - See notes (p. 10)

National Rivers Authority

DATES: record prepared validated data checks

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☒ Unvegetated point bars ☒ Vegetated point bars ☒

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 2m wide zone) (tick one)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)
LEFT BANK ☒ RIGHT BANK ☒
Mat. RE, SO, CO, GE, EA, FE, CL, CC, SP, WP, GA, BR, RW
Bank modification(s) ☒ NO, RI, RI, FC, BN, EN
Bank feature(s) ☒ NO, NO, EC, SC, PR, VP, SV, VS
CHANNEL NOTE - Use 1/1 then indicate total number
Channel substrate (one) NY, RE, SO, CO, GE, EA, FE, CL, CC, SP, WP, GA, BR, RW
Flow type (one) FF, CL, LW, UW, CF, AP, UP, SM, NP, ND
Channel modification(s) ☒ NO, NO, RI, RI, FC, BN, EN
Channel feature(s) ☒ NO, NO, RI, RI, FC, BN, EN
RIGHT BANK ☒ LEFT BANK ☒
Mat. RE, SO, CO, GE, EA, FE, CL, CC, SP, WP, GA, BR, RW
Bank modification(s) ☒ NO, RI, RI, FC, BN, EN
Bank feature(s) ☒ NO, NO, EC, SC, PR, VP, SV, VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, MH, SC, RP, WL, OW, NO, FL, SU
LAND USE WITHIN 5m OF BANKTOP (L) (tick one)
LEFT BANK-TOP (structure within 1m) BAUSC
LEFT BANK FACE (structure) BAUSC
RIGHT BANK-TOP (structure within 1m) BAUSC
RIGHT BANK FACE (structure) BAUSC
LAND USE WITHIN 5m OF BANKTOP (R) (tick one)

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use E (≥ 33% area) or d (present))

NONE (tick) Plant genera (P, A, R, S, M)
Liverworts ☐ Mosses ☐ Algae ☐
Emergent broad-leaved herbs ☐
Emergent reeds ☒ Glacis ☒
Floating-leaved (rooted) ☒
Free-floating ☐
Amphibious ☐
Submerged, broad-leaved ☒ Cellulose ☒
Submerged, linear-leaved ☒ Glacis ☒
Filament, algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or d)

PLANTS - Use 1/1 then indicate total number, tick "none" where appropriate
+ species if possible eg Potamogeton pectinatus

REPEAT 1

SITE NO. NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or d if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or d if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

Use this space to draw profile if different from above, after ticking predetermined box

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)

	Left	Right	NOTES	E ≥ 33%	None	Present	E	NOTES
None								
Isolated/scattered								
Regularly spaced, single								
Occasional clumps								
Semi-continuous								
Continuous								

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	E	NOTES
Shading of channel				
Overhanging boughs				
Exposed bankside roots				
Underwater tree roots				
Fallen trees				
Coarse woody debris				

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	NOTES
Waterfall(s) - freefall				
Cascades(s) - chute				
Step/pool sequence				
Rapid(s) - whitewater				
Riffle-pool sequence				
Run(s) - disturbed, rippled				
Boil(s) - upwellings				
Glide(s) - smooth, no eddies				

Marginal deadwater - silt ☐ ☐ ☐
Exposed bedrock ☐ ☐ ☐
Exposed boulders ☐ ☐ ☐
Unvegetated mid-channel bars ☐ ☐ ☐
Vegetated mid-channel bars ☐ ☐ ☐
Mature island(s) ☐ ☐ ☐
Unvegetated side bars ☐ ☐ ☐
Vegetated side bars ☐ ☐ ☐

Have you completed your squares from this week? (send to FND for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)			
Water width (m)			
Banktop height (m)			
Embanked height (m)			
Water depth (m)			
Embanked height (m)			

If threshold lower than banktop break in slope, indicate height (m) width (m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/1 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges =
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ mowing ☐ Other? State:
weed-cutting ☒ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state):
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: E. HEATH...

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Sentences)

Descriptive statement: On the site, the river is a small, fast-flowing stream with a rocky bed and a steep bank on the left side.
Plants of note:
Major conservation features:
Major impacts:
Incidental observations (animals etc):

IFE 3 channel survey by John D. F. 1/1

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB
Envelopes supplied! Post completed form for processing - labels supplied as per

NRA RIVER HABITAT SURVEY 1995 IFB 2-A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 351
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: 78 2W PH 16 AK 76m
Date 22.1.1995 Time: 10:00 Surveyor name: G.C. M.B. M.D. 126 F.W.
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box)
Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/1 then indicate total number)

Riffles 6 Unvegetated point bars
Pools Vegetated point bars
(IFE - Ind - See survey notes)

National Rivers Authority

IFB 2-A
P. 402-12

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles ☒ Pools ☒ Unvegetated point bars ☒ Vegetated point bars ☒

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide zone)

Spot check 1 is at: upstream end ☐ of site (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK (looking downstream)

Mat. 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
Bank modification(s) ☒ NO, 1E, 2C, 3E, 4E, 5E, 6C, 7E, 8C, 9E, 10C
Bank feature(s) ☒ NO, 1E, 2C, 3E, 4E, 5E, 6C, 7E, 8C, 9E, 10C
CHANNEL NOTE - Use the following codes to describe the channel:
Channel substrate (fine) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
Flow type (one) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
Channel modification(s) ☒ NO, 1E, 2C, 3E, 4E, 5E, 6C, 7E, 8C, 9E, 10C
Channel feature(s) ☒ NO, 1E, 2C, 3E, 4E, 5E, 6C, 7E, 8C, 9E, 10C
RIGHT BANK (looking downstream)

Mat. 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
Bank modification(s) ☒ NO, 1E, 2C, 3E, 4E, 5E, 6C, 7E, 8C, 9E, 10C
Bank feature(s) ☒ NO, 1E, 2C, 3E, 4E, 5E, 6C, 7E, 8C, 9E, 10C

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, IO, TL, SU
LAND USE WITHIN 5m OF BANKTOP (L) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
LEFT BANK-TOP (structure within 1m) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
LEFT BANK FACE (structure) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
RIGHT BANK FACE (structure) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
RIGHT BANK-TOP (structure within 1m) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C
LAND USE WITHIN 5m OF BANK TOP (R) 1E, 2O, 3C, 4E, 5E, 6C, 7E, 8C, 9E, 10C

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or P (present))

NONE (tick) ☒
Emergent broad-leaved herbs ☒
Emergent reeds, sedges, rushes ☒
Floating-leaved (rooted) ☒
Free-floating ☒
Amphibious ☒
Submerged broad-leaved ☒
Submerged fine-leaved ☒
Flowering, algae ☒

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or P)
(Plant) - Use in brackets of names of plants + species if possible eg. *Potamogeton pectinatus*

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or P if present)

Broadleaf/mixed woodland (BL) ☒ Wetland (eg bog, marsh, fen) (WL)
Coniferous plantation (CP) ☐ Open water (OW)
Moorland/heath (MH) ☐ Improved/semi-improved grass (IG)
Scrub (SC) ☐ Tilled land (TL)
Rough pasture (RP) ☐ Suburban/urban development (SU)

I BANK PROFILES (Use E (≥ 33% banklength) or P if present)

Natural/unmodified ☒ Artificial/modified ☐
Vertical/undercut ☒ Resectioned ☐
Vertical + toe ☒ Reinforced - whole bank ☐
Steep (>45°) ☒ Reinforced - top only ☐
Gentle ☒ Reinforced - toe only ☐
Composite ☒ Artificial two-stage ☐
Use this space to draw profile of channel from above, after noting predominant box

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)
None ☐ Left ☐ Right ☐
Isolated/scattered ☐ Shading of channel ☐
Regularly spaced, single ☐ Overhanging boughs ☐
Occasional clumps ☐ Exposed bankside roots ☐
Semi-continuous ☐ Underwater tree roots ☐
Continuous ☐ Fallen trees ☐
Coarse woody debris ☐

ASSOCIATED FEATURES (Tick one box per feature)
None ☐ Present ☐
Marginal deadwater - slack ☐
Exposed bedrock ☐
Exposed boulders ☐
Unvegetated mid-channel bars ☐
Vegetated mid-channel bars ☐
Mature island(s) ☐
Unvegetated side bars ☐
Vegetated side bars ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ None ☐ Present ☐
Cascades(s) - chute ☐ None ☐ Present ☐
Step/pool sequence ☐ None ☐ Present ☐
Rapid(s) - whitewater ☐ None ☐ Present ☐
Riffle-pool sequence ☐ None ☐ Present ☐
Run(s) - disturbed, rippled ☐ None ☐ Present ☐
Boil(s) - upwellings ☐ None ☐ Present ☐
Glide(s) - smooth, no eddies ☐ None ☐ Present ☐

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK Banktop width (m) 2.00 RIGHT BANK
Banktop height (m) 0.70 Water depth (m) 0.20 Banktop height (m) 0.70
Embanked height (m) 0.70 Water depth (m) 0.20 Embanked height (m) 0.70
If trashline lower than banktop break in slope, indicate: height (m) width(m)
Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only) ☐

M ARTIFICIAL FEATURES (Use 1/1 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 2 Outfalls = 1 Fords = 0
Footbridges = 1 Roadbridges = 1
Is water level controlled by weir/dam/downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State: ☐
weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL Waterfalls > 5m high ☐ FLOODPLAIN (50m corridor) Artificial open water ☐ Bog ☐
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/1 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: ☒ *WATSON* FROM THE SITE AREA A NRA FLOODING SPREAD
Plants of note: *WATSON* (CATED) *WATSON* (CATED) *WATSON* (CATED) *WATSON* (CATED)
Major conservation features: *WATSON* (CATED) *WATSON* (CATED) *WATSON* (CATED) *WATSON* (CATED)
Major impacts: *WATSON* (CATED) *WATSON* (CATED) *WATSON* (CATED) *WATSON* (CATED)
Incidental observations (animals etc):
IFE 3 channel sample taken ☒ D. filtered ☐

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State: ☐

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 6BB
Envelopes supplied! Post completed forms for processing labels supplied

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3752
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES JL DH 1H CC ML
 Grid Reference: 1H 55.2 River: 38.7W FH 16 AK 76W
 Date 11/11/1995 Time: 10.00 Surveyor name G.C. M.H. W.D. H.G. F.W.D.
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state
 Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☐ (tick one box) with site 11/11/95
 Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes on diagram

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 3 Unvegetated point bars 0
 Pools 0 Vegetated point bars 0
 (FE - Ind. - See notes page 12)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Broadleaved/deciduous woodland (BL)	E	/	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)	E	E	Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or / if present)

	L	R		L	R
Natural/unmodified			Artificial/modification		
Vertical/undercut	/	/	Recessed		
Vertical + toe			Reinforced - whole bank	/	/
Steep (> 45°)	E	E	Reinforced - top only		
Gentle		/	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

ASSOCIATED FEATURES (Tick one box per feature)	E ≥ 33%	None	Present	E	NOTES
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	NOTES
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Have you completed your expenses form this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (Mark presence/absence of feature)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10	Field No.
LEFT BANK (tick one) <u>downstream</u>											
Mat. <u>BE,BO,CO,CL,EA,FE,FL,GC,GP,GR,HA,HB,HR,HW</u>	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	
Bank modification(s) <u>NO,NS,PS,PH,PN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) <u>NO,NS,PS,PH,PN,PS,PH</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE - Use same scale as above											
Channel substrate (one) <u>NO,NS,PS,PH,PN,PS,PH</u>	GP	SA	SA	SA	SA	GP	GP	GP	GP	GP	
Flow type (one) <u>FF,CH,FW,CF,CF,CF,CF,CF,CF</u>	GP	SA	SA	SA	SA	GP	GP	GP	GP	GP	
Channel modification(s) <u>NO,NS,PS,PH,PN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s) <u>NO,NS,PS,PH,PN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (tick one) <u>downstream</u>											
Mat. <u>BE,BO,CO,CL,EA,FE,FL,GC,GP,GR,HA,HB,HR,HW</u>	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA	
Bank modification(s) <u>NO,NS,PS,PH,PN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) <u>NO,NS,PS,PH,PN,PS,PH</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use choose one from BL,CP,MH,SC,RP,TL,WL,SU

	SC	Y	BL	CL	SC	Y	BL	CL	SC	Y	BL	CL
LAND USE WITHIN 5m OF BANKTOP (L)												
LEFT BANK-TOP (structure within 1m) <u>BAUSC</u>	S	S	C	C	S	S	C	C	S	S	C	C
LEFT BANK FACE (structure) <u>BAUSC</u>	S	S	C	C	S	S	C	C	S	S	C	C
RIGHT BANK FACE (structure) <u>BAUSC</u>	S	S	C	C	S	S	C	C	S	S	C	C
RIGHT BANK-TOP (structure within 1m) <u>BAUSC</u>	S	S	C	C	S	S	C	C	S	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	S	C	CL	CL	SC	Y	BL	BL	SC	Y	BL	BL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or / if present)

NONE (tick)											
Emergent broad-leaved herbs											
Emergent reeds/ sedges/ rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filament, algae											

Use end 'each-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

PLANTS - Use 1/11 of forms of plants & vegetation + species if possible of plants & vegetation

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	0.45		0.5
Water width (m)	3.20		
Banktop height (m)			0.5
Water depth (m)	0.15		
Banktop height (m)			0.5

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1/11 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State
 weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/11 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Sentences)

Descriptive sentence:
 Plants of note:
 Major conservation features:
 Major impacts:
 Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO: IUCH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARRENHAM, B120 6BB

Envelopes supplied! Post completed forms for processing - labels supplied on top

[illegible]

21522
8753

SITE NO. _____	NRA RIVER HABITAT SURVEY 1985: 500m SWEEP, UP _____										Page 3 of 4
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H-1. LAND USE WITHIN 50m of BANKTOP (Cir. E is 1/2 ha length) or 1/4 prairie

	L	R		L	R
Broadleaf/need woodland (BL)			Wetland (eg bog, marsh, etc) (W)		
Coniferous plantation (CF)			Open water (OW)		
Woodland/heath (WH)			Improved/semi-improved grass (IG)		
Scrub (SC)		✓	Tilled land (TL)		
Fresh pasture (NP)	E	E	Suburban/urban development (SU)		

H-2. BANK PROFILE (Cir. E is 1/2 ha length) or 1/4 prairie

Natural/unmodified	L	R	Artificial/Modified	L	R
Vertical/undercut		✓	Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)		E	Reinforced - top only		
Grass		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pierced		✓
			Embanked		
			Soil-bank embankments		

H-3. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)				ASSOCIATED FEATURES (Tick one box per feature)			
	Left	Right	WATER	E & J 3%	None	Present	Notes
None	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	
Scal-mosaic	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Coniferous	<input type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	
						<input checked="" type="checkbox"/>	
						<input checked="" type="checkbox"/>	
						<input checked="" type="checkbox"/>	

H-4. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	Notes
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal downwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input type="checkbox"/>	<input type="checkbox"/>	Upstream mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-good sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Here you completed your survey for this reach? (Send to Fred for signature!)

1985-11-15

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)					
LEFT BANK		Banktop width (m)	15	EIGHT BANK	
Banktop height (m)	125	Water width (m)	9	Banktop height (m)	1-25
Enhanced height (m)		Water depth (m)		Enhanced height (m)	
If installation lower than banktop break in slope, indicate height (m)			width(m)		
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>					
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> (tick one box) Slope (IFE only)					
NONARTIFICIAL FEATURES (List LHM indicates total number, tick "none" where appropriate)					
None <input checked="" type="checkbox"/>	Number of Culverts =	Veins =	Cutfills =	Fords =	
	Floodbridges =	Roadbridges =	Oxbow =		
Is water level controlled by weir/dam downstream? No <input type="checkbox"/> Part of site <input type="checkbox"/> Mouth hole of site <input type="checkbox"/>					
EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)					
dredging <input type="checkbox"/>	moving <input checked="" type="checkbox"/>	Other? State			
weir-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>				
FEATURES OF SPECIAL INTEREST (tick appropriate box(es))					
CHANNEL					
Wetlands > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>		Bog <input type="checkbox"/>	Other (state)	
Bankside channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>		Carri <input type="checkbox"/>		
Dahls dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>		Marsh <input type="checkbox"/>		
Lushy shrubs <input type="checkbox"/>	Fen <input type="checkbox"/>		Flask <input type="checkbox"/>		
FLOODPLAIN (50m corridor)					
In 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>					
NOTABLE NUISANCE PLANT SPECIES (tick all that apply)					
Giant Hogweed <input checked="" type="checkbox"/>	Himalaya Balsam <input type="checkbox"/>	Japanese Knotweed <input type="checkbox"/>	Other? State <u>Nuttall</u>		
BRIEF DESCRIPTION (Use separate sheet if necessary)					
Descriptive sentence: Fluvializing, slow flowing broadland river.					
Plants of note:					
Major conservation features:					
Major impacts: Siltation					
Incidental observations (animals etc):					
IF Filled or silted <input checked="" type="checkbox"/>					
SCALD DISCLOSED ALLEGES (tick one box)					
Name <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extinctive <input type="checkbox"/>	Other (discuss travel) State		
SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BN					
Email: h.dawson@rivers.gov.uk					

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 3 of 4

Spot check 1 is at upstream and 10 at downstream and 5 of site (tick one box)

ENVIRONMENTAL ATTRIBUTES (to be assessed at each channel within a 5m wide zone)

Altitude (m) ☐ Slope (m/m) ☐ Flow category ☐

Solid geology code ☐ Drift geology code ☐

Distance from source (km) ☐ Significant tributary ☐

FIELD SURVEY DETAILS

Reference network site number: 5757

Mid-section grid reference of network site (if different from designated location): 745782

COMPLETE THE FOLLOWING FOR ALL SITES character unchanged

Grid Reference: 745782 River: Rhidal

Date: 1.6.1995 Time: 8:30 Surveyor name: HD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☒ gorge ☐ asymmetrical floodplain

☐ concave bowl ☐

DISPERSED RIFFLES, POOLS AND POINT BARS (tick one box only)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 3 of 4

Spot check 1 is at upstream and 10 at downstream and 5 of site (tick one box)

ENVIRONMENTAL ATTRIBUTES (to be assessed at each channel within a 5m wide zone)

Altitude (m) ☐ Slope (m/m) ☐ Flow category ☐

Solid geology code ☐ Drift geology code ☐

Distance from source (km) ☐ Significant tributary ☐

FIELD SURVEY DETAILS

Reference network site number: 5757

Mid-section grid reference of network site (if different from designated location): 745782

COMPLETE THE FOLLOWING FOR ALL SITES character unchanged

Grid Reference: 745782 River: Rhidal

Date: 1.6.1995 Time: 8:30 Surveyor name: HD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☒ gorge ☐ asymmetrical floodplain

☐ concave bowl ☐

DISPERSED RIFFLES, POOLS AND POINT BARS (tick one box only)

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)

LEFT BANK ☐ Backstop width (m) 15m RIGHT BANK ☐

Backstop height (m) 1.0 Water width (m) 11m Backstop height (m) 1.2

Exhausted height (m) 1.25 Water depth (m) 1.25 Exhausted height (m) 1.25

If trawl lower than backstop break in slope, indicator, height (m) 1.25 width (m) 1.25

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (if only)

ARTIFICIAL FEATURES (Use 1-10 to indicate level of disturbance, tick one box only)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Ponds = 1

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANIPULATION (tick appropriate boxes)

dragging ☐ moving ☐ Other? State: _____

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐

Briddled/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Loose debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

BRIEF DESCRIPTION (tick prompt and key words of appropriate)

Descriptive sentence: very steep, steeply sloping, with 100% cover of all vegetation, mostly oak - totally natural since largely inaccessible, my steep climb - contoured mound due to inaccessibility, lower section character with hills upper section less steep mainly bedrock

Major conservation features: low water level

Major impacts: Bad access from Caravan site on left bank, with no one else - not to be attempted in anything but low flow

Incidental observations (animals etc): _____

DISEASED ALGAE (tick one box)

None ☒ Present ☐ Extensive ☐ Other (disease) State: _____

SEND COMPLETED FORM TO NICHOLAS DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 6BB

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)

LEFT BANK ☐ Backstop width (m) 15m RIGHT BANK ☐

Backstop height (m) 1.0 Water width (m) 11m Backstop height (m) 1.2

Exhausted height (m) 1.25 Water depth (m) 1.25 Exhausted height (m) 1.25

If trawl lower than backstop break in slope, indicator, height (m) 1.25 width (m) 1.25

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (if only)

ARTIFICIAL FEATURES (Use 1-10 to indicate level of disturbance, tick one box only)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Ponds = 1

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most/whole of site ☐

EVIDENCE OF RECENT MANIPULATION (tick appropriate boxes)

dragging ☐ moving ☐ Other? State: _____

wood-cutting ☐ enhancement ☐

FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ☐

Briddled/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Loose debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (tick one box)

Is 25% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE NUISANCE PLANT SPECIES (tick one box)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

BRIEF DESCRIPTION (tick prompt and key words of appropriate)

Descriptive sentence: very steep, steeply sloping, with 100% cover of all vegetation, mostly oak - totally natural since largely inaccessible, my steep climb - contoured mound due to inaccessibility, lower section character with hills upper section less steep mainly bedrock

Major conservation features: low water level

Major impacts: Bad access from Caravan site on left bank, with no one else - not to be attempted in anything but low flow

Incidental observations (animals etc): _____

DISEASED ALGAE (tick one box)

None ☒ Present ☐ Extensive ☐ Other (disease) State: _____

SEND COMPLETED FORM TO NICHOLAS DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/m) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source (km) Significant tributary ? Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: **3767**
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: **S0 78769** River: **SEVERN**
Date: **5/1/95** Time: **3:45** Surveyor name: **62 106 106 106**
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: **...**
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photograph: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM: (tick one box only)

☐ shallow vee ☐ terraced valley floor
☒ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NATURAL/ARTIFICIAL

D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (Use 1-11 then indicate total number)

Riffles / Unvegetated point bars
Pools / Vegetated point bars

IF E = 10 - See 1000 1000

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m wide interval) (tick one box)

Spot check 1 is the upstream end of site

LEFT BANK (looking downstream)

Bank material (fine) ☒ FINE, COARSE, GRAVEL
Bank modification(s) ☒ NO, ALICE, CLAY, SAND
Bank features(s) ☒ NO, ALICE, CLAY, SAND
Channel note: **SWIFT AT 11.1 - 11.2 - 11.3 - 11.4 - 11.5 - 11.6 - 11.7 - 11.8 - 11.9 - 12.0**
Channel substrate (fine) ☒ FINE, COARSE, GRAVEL
Flow type (fine) ☒ FINE, COARSE, GRAVEL
Channel modification(s) ☒ NO, ALICE, CLAY, SAND
Channel features(s) ☒ NO, ALICE, CLAY, SAND

RIGHT BANK (looking upstream)

Bank material (fine) ☒ FINE, COARSE, GRAVEL
Bank modification(s) ☒ NO, ALICE, CLAY, SAND
Bank features(s) ☒ NO, ALICE, CLAY, SAND

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide section)

Land use chosen one from: SL, CL, SH, SC, SP, PL, OP, SO, SL, SO

LAND USE WITHIN 5m OF BANKTOP (S)

LEFT BANK-TOP (structure within 1m) **SL, CL, SH, SC, SP, PL, OP, SO, SL, SO**
LEFT BANK FACE (structure) **SL, CL, SH, SC, SP, PL, OP, SO, SL, SO**
RIGHT BANK FACE (structure) **SL, CL, SH, SC, SP, PL, OP, SO, SL, SO**
RIGHT BANK-TOP (structure within 1m) **SL, CL, SH, SC, SP, PL, OP, SO, SL, SO**
LAND USE WITHIN 5m OF BANK TOP (S) **SL, CL, SH, SC, SP, PL, OP, SO, SL, SO**

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry, use E (2-11) as appropriate)

NONE (tick) ☒ Plant growth (tick one)

Emergent broad-leaved herbs ☒
Emergent reeds, sedges, rushes ☒
Floating-leaved (typical) ☒
Free-floating ☒
Amphibious ☒
Submerged ☒
Submerged fine-leaved ☒
Filamentous, algae ☒

Use one 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or 1-11)
(LHVS - Use 1-11 for types of growth, 1-11 for vegetation + species if possible, 1-11 for plants + Potamogeton perennials)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

SITE NO: **3767**

H. LAND USE WITHIN 50m OF BANKTOP (Use E (2-11) for length or if present)

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>		Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	

I. BANK PROFILES (Use E (2-11) for length or if present)

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>		Artificially modified		
Vertical undercut	<input checked="" type="checkbox"/>		Reinforced	<input checked="" type="checkbox"/>	
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank	<input checked="" type="checkbox"/>	
Slope (> 45°)	<input checked="" type="checkbox"/>		Reinforced - top only	<input checked="" type="checkbox"/>	
Gentle	<input checked="" type="checkbox"/>		Reinforced - toe only	<input checked="" type="checkbox"/>	
Composite	<input checked="" type="checkbox"/>		Artificial two-stage	<input checked="" type="checkbox"/>	
Use this space to draw profile of difference from above, after setting predominant line					

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	WATER	None	Present	None	Present
None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	None	Present
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	None	Present
Waterfall(s) - freefall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle-pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - tiered, stepped	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bottle(s) - spillings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

MARGINAL FEATURES (Tick one box per feature)

	None	Present	None	Present
Marginal dead-water - silt	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Have you completed your queries from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	22.0	RIGHT BANK
Banktop height (m)	4.0	Water width (m) (W)	19.0
Banktop height (m)	4.0	Water depth (m)	1.6
Banktop height (m)	4.0	Banktop height (m)	4.5
Banktop height (m)	4.0	Banktop height (m)	4.5

If trueflow lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐ (tick one box)

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only) ☐

M. ARTIFICIAL FEATURES (Use 1-11 for length or if present)

None ☒ Number of Culverts = ☐ Roadbridges = ☐ Outfalls = ☐ Fords = ☐
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Other ☐ (tick one box)

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

digging ☐ moving ☐ Other? Site Branch clearing
weed-cutting ☐ enhancement ☐ "pruning"

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (tick one)
Enriched/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

In 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11 for length or if present)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Site

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: **Straight channel (natural). Predominantly**
Plant of note: **(see list) bedrock, steep natural banks. Large**
Major conservation features: **features 11 VS 4 spot checks = the**
Major impacts: **same single side bar ... !!**
Incidental observations (animals etc):

IF E = 10 - See 1000 1000

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WARHAM, BH20 6BB

Envelopes supplied! Post completed form for processing (labels supplied)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source (km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3768
Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SD 828743 River: STOUR
Date: 1.2.1995 Time: 12.00 Surveyor name: 66 MAF 40
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: if yes, state
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☒ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-11, then indicate total number)

Riffles 2 Unvegetated point bars 1
Pools 1 Vegetated point bars 1

1995-1996 - See notes page 11

National Rivers Authority

DATE: record ground water level

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel width at 2m wide zone) (tick one box)

Left bank: EA EA EA EA EA EA EA EA EA EA
Bank material (fine): EA EA EA EA EA EA EA EA EA EA
Bank modification: NO NO NO NO NO NO NO NO NO NO
Bank features: NO NO NO NO NO NO NO NO NO NO
Channel width (m): 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5
Flow type (fine): W W W W W W W W W W
Channel modification: NO NO NO NO NO NO NO NO NO NO
Channel features: NO NO NO NO NO NO NO NO NO NO
Right bank: EA EA EA EA EA EA EA EA EA EA
Bank material (fine): EA EA EA EA EA EA EA EA EA EA
Bank modification: NO NO NO NO NO NO NO NO NO NO
Bank features: NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide section)

Land use: choose one from FL, CR, OR, SC, SP, WL, OW, SL, TL, WU

Land use within 5m of banktop (L): FL FL FL FL FL FL FL FL FL FL
Left bank-top structure within 2m: FL FL FL FL FL FL FL FL FL FL
Left bank face (structure): FL FL FL FL FL FL FL FL FL FL
Right bank face (structure): FL FL FL FL FL FL FL FL FL FL
Right bank-top structure within 2m: FL FL FL FL FL FL FL FL FL FL
Land use within 5m of banktop (R): FL FL FL FL FL FL FL FL FL FL

G. CHANNEL VEGETATION TYPES (tick in relevant boxes, with one tick per E (to 33% width) or F (to 100% width))

NONE (tick) Plant genera (tick one)

Alnus ☒ Betula ☒ Fraxinus ☒ Ilex ☒ Lonicera ☒
Morus ☒ Nymphaea ☒ Salix ☒ Sparganium ☒ Typha ☒
Utricularia ☒ Zosterella ☒ Other (tick one)

Free-floating: ☒ Amphibious: ☒
Submerged: ☒ Submerged floating-leaved: ☒
Emergent: ☒ Floating-leaved: ☒
Filamentous algae: ☒

Use the 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

1995-1996 - See notes page 11

Repeat 1

SITE NO. 3768 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F (if present))

Left bank: FL FL FL FL FL FL FL FL FL FL
Right bank: FL FL FL FL FL FL FL FL FL FL

I. BANK PROFILES (Use E (to 33% banklength) or F (if present))

Natural/unmodified: FL FL FL FL FL FL FL FL FL FL
Reinforced: FL FL FL FL FL FL FL FL FL FL
Vertical + toe: FL FL FL FL FL FL FL FL FL FL
Steep (> 45°): FL FL FL FL FL FL FL FL FL FL
Grass: FL FL FL FL FL FL FL FL FL FL
Composite: FL FL FL FL FL FL FL FL FL FL

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees (Tick one box per bank)

Left bank: FL FL FL FL FL FL FL FL FL FL
Right bank: FL FL FL FL FL FL FL FL FL FL

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfalls: FL FL FL FL FL FL FL FL FL FL
Cascades: FL FL FL FL FL FL FL FL FL FL
Step-pool sequence: FL FL FL FL FL FL FL FL FL FL
Rapid(s): FL FL FL FL FL FL FL FL FL FL
Riffle-pool sequence: FL FL FL FL FL FL FL FL FL FL
Rough(s): FL FL FL FL FL FL FL FL FL FL
Bait(s): FL FL FL FL FL FL FL FL FL FL
Slide(s): FL FL FL FL FL FL FL FL FL FL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

Left bank: FL FL FL FL FL FL FL FL FL FL
Right bank: FL FL FL FL FL FL FL FL FL FL

M. ARTIFICIAL FEATURES (Use 1-11, then indicate total number)

None ☐ Number of Culverts: 1 Weirs: 1 Outfalls: 1 Pipes: 1
Fences: 1 Roadbridges: 1 Other: 1

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging: ☐ moving: ☐ Other: 1
weed-cutting: ☐ embankment: ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

Channel: FL FL FL FL FL FL FL FL FL FL
Floodplain: FL FL FL FL FL FL FL FL FL FL

P. CHOKED CHANNEL (Tick one box)

In 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-11, then indicate total number)

Great Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☒ Other: 1

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: Swifty channel, with some cobbles. Mostly
Plants of note: laminar - though more EC & reedbeds dominant
Major conservation features: Woodland & canal on RHS.
Major impacts: STW (4 pipes!) Also trash in channel.
Incidental observations (animals etc): * NOTE: CANAL RUNS parallel to
River, with artificial bank
separating. (see diagram)

1995-1996 - See notes page 11

Have you completed your enquiries for this week? (send to PWD for signature!)

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? ☒ Navigation? ☒

B. FIELD SURVEY DETAILS

Reference network site number: 3769
 Mid-section grid reference of network site if different from designated location:
 COMPLETE THE FOLLOWING FOR ALL SITES
 Grid Reference: S 926 745 River: Hoo Beaz
 Date 21/5/1995 Time: 15:30 Surveyor name: TC MRS
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
 Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)
 Photographs: general character? No ☐ Yes ☒ (pick one box) Site type: Normal
 Site surveyed from: left bank ☒ right bank ☒ channel ☒ (pick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl + notes: none

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 9 Unvegetated point bars 1
 Pools 0 Vegetated point bars 0
 (If E = 0 - see 1995/1996)

National Rivers Authority

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 1 1 1 1 1 1 1 1 1 1 Pools 0 0 0 0 0 0 0 0 0 0 Unvegetated point bars 0 0 0 0 0 0 0 0 0 0 Vegetated point bars 0 0 0 0 0 0 0 0 0 0

E. PHYSICAL ATTRIBUTES (to be measured across channel within a 2m wide area)

Spot check 1 is at: upstream end of riffle (tick one) 1 2 3 4 5 6 7 8 9 10

LEFT BANK (tick one) 1 2 3 4 5 6 7 8 9 10

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO
 Bank features(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL (tick one) 1 2 3 4 5 6 7 8 9 10

Channel substrate (fine) EA EA EA EA EA EA EA EA EA EA
 Flow type (fine) NO NO NO NO NO NO NO NO NO NO
 Channel modification(s) NO NO NO NO NO NO NO NO NO NO
 Channel features(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (tick one) 1 2 3 4 5 6 7 8 9 10

Bank material (fine) EA EA EA EA EA EA EA EA EA EA
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO
 Bank features(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be measured over a 10m wide transect)

Land use: choose one from PL, CP, NH, SC, AP, PL, CP, SC, PL, SC

LAND USE WITHIN 5m OF BANKTOP (L) PL PL PL PL PL PL PL PL PL PL
 LEFT BANK TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC
 LEFT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC
 RIGHT BANK FACE (structure) SC SC SC SC SC SC SC SC SC SC
 RIGHT BANK TOP (structure within 1m) SC SC SC SC SC SC SC SC SC SC
 LAND USE WITHIN 5m OF BANK TOP (R) PL PL PL PL PL PL PL PL PL PL

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry per E (in 33% area) or if present)

NONE (tick) ☒ 1 2 3 4 5 6 7 8 9 10

Emergent broad-leaved herbs ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Emergent reeds ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Floating-leaved (species) ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Free-floating ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Amphibious ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Submerged - broad-leaved ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Submerged - fine-leaved ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Filamentous algae ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (see E or 1)

Notes: Use 1-10 for types of banks, 1-10 for vegetation + species of plants + Potamogeton perennans

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or if present)

1 2 3 4 5 6 7 8 9 10

Woodland/scrub (W) 1 2 3 4 5 6 7 8 9 10
 Coniferous plantation (C) 1 2 3 4 5 6 7 8 9 10
 Moorland/heath (H) 1 2 3 4 5 6 7 8 9 10
 Scrub (S) 1 2 3 4 5 6 7 8 9 10
 Rough pasture (R) 1 2 3 4 5 6 7 8 9 10
 Suburban/urban development (U) 1 2 3 4 5 6 7 8 9 10

I. BANK PROFILES (Use E (in 33% banklength) or if present)

Natural/unmodified 1 2 3 4 5 6 7 8 9 10
 Vertical/uniform 1 2 3 4 5 6 7 8 9 10
 Vertical + toe 1 2 3 4 5 6 7 8 9 10
 Steep (>45°) 1 2 3 4 5 6 7 8 9 10
 Gravel 1 2 3 4 5 6 7 8 9 10
 Composites 1 2 3 4 5 6 7 8 9 10

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank) 1 2 3 4 5 6 7 8 9 10
 None ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Isolated/scattered ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Regularly spaced, single ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Occasional clumps ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Semi-continuous ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Continuous ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

ASSOCIATED FEATURES (Tick one box per feature) 1 2 3 4 5 6 7 8 9 10
 None ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Shading of channel ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Overhanging boughs ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Exposed bankside roots ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Underwater tree roots ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Fallen trees ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Coarse woody debris ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature) 1 2 3 4 5 6 7 8 9 10

Waterfall(s) - freefall ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Cascade(s) - chute ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Step/pool sequence ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Rapid(s) - whitewater ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Riffle/pool sequence ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Run(s) - disturbed, rippled ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Bell(s) - spilling ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
 Glide(s) - smooth, no eddies ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK 1 2 3 4 5 6 7 8 9 10 RIGHT BANK 1 2 3 4 5 6 7 8 9 10

Banktop width (m) 3.25 Banktop height (m) 0.75
 Banktop height (m) 0.75 Banktop width (m) 3.25
 Embankment height (m) 0.75 Embankment width (m) 3.25

If bankline lower than banktop break in slope, indicate: height (m) 1.10 width (m) 6.0

Bed material at site is: consolidated (temp) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (1E only) 1.5

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fields = 1
 In water level controlled by weir/dam downstream? No ☒ Part of site ☐ Other ☐ (pick one box) 1

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

Grading ☐ mowing ☐ Other? State: None
 Weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐
 Waterfalls > 5m high ☐ Artificial open water ☐ Bug ☐ Other (state) None
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick "none" where appropriate)

Great Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Overgrown river bank with rippled channel
Large amount of old debris, possible middle of pool
2m high waterfalls 1m high, about 2m high! Stream
described to form a natural channel at large head. Waterfalls stream
down through vegetation of large bank.
 Incidental observations (animals etc): None

S. DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trout State: None

SEND COMPLETED FORM TO: HUGH DANSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, B120 6UB

Envelopes supplied! Post completed form for processing. Labels supplied.

Have you completed your entries from this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source(km) _____ Significant tributary? ☒ Navigation? ☐

B. FIELD SURVEY DETAILS

Reference network site number: 3771

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: _____ River: 78.74 14 AK 78m

Date: 2/6/1995 Time: 10:00 Surveyor name: 6-6 MAY NO 1/6 P-2

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (pick one box)

Photographs: general character? No ☐ Yes ☒ (pick one box) Site No. 1

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (pick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave bowl ☐ + notes/other features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles 10 Unvegetated point bars 0

Pools 1 Vegetated point bars 0

IF E - Mid - see (p. 10-11)

National Rivers Authority

DATES: Record _____ named _____ width _____ habitat _____

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles 10 Pools 1 Unvegetated point bars 0 Vegetated point bars 0

E. PHYSICAL ATTRIBUTES (Use 1-10 then indicate total number)

Spot check 1 is at: upstream end ☐ downstream end ☒ (tick one box)

LEFT BANK (Use 1-10 then indicate total number)

Bank material (fine) CC BR EA EA EA EA EA EA EA EA

Bank modification(s) RE NO NO NO NO NO NO NO NO NO

Bank features(s) NO NO NO NO NO NO NO NO NO NO

CHANNEL NOTE: Use 1-10 then indicate total number

Channel substrate (fine) AR BP BP BP BP BP BP BP BP BP

Flow type (fine) SM SM SM SM SM SM SM SM SM SM

Channel modification(s) RS NO NO NO NO NO NO NO NO NO

Channel features(s) NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (Use 1-10 then indicate total number)

Bank material (fine) CC BR EA EA EA EA EA EA EA EA

Bank modification(s) RE NO NO NO NO NO NO NO NO NO

Bank features(s) NO NO NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (Use 1-10 then indicate total number)

Land use: choose one from AL CP HL IC IP OL OR PL SL TL UL

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) AL AL AL AL AL AL AL AL AL AL

LEFT BANK FACE (structure) AL AL AL AL AL AL AL AL AL AL

RIGHT BANK FACE (structure) AL AL AL AL AL AL AL AL AL AL

RIGHT BANK-TOP (structure within 1m) AL AL AL AL AL AL AL AL AL AL

LAND USE WITHIN 5m OF BANK TOP (R)

G. CHANNEL VEGETATION TYPES (Use 1-10 then indicate total number)

NONE (pick) ☒ Plant species (list in notes)

Emergent broad-leaved herbs ☒ Alisma

Emergent narrow-leaved herbs ☒ Alisma

Flowering-stemmed - (ground) ☒ Alisma

Free floating ☒ Utricularia

Amphibious ☒ Utricularia

Schubertia ☒ Utricularia

Submerged fine-leaved ☒ Utricularia

Flowering, algae ☒ Utricularia

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

NOTES - Use 1-10 then indicate total number of types of plants in the river + species of plants of both parts of the vegetation structure

Repeat 1

SITE NO. 3771 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (in 33% banklength) or F if present)

LEFT BANK (L)

Broadleaved woodland (BL) ☐ Wetland (eg bog, marsh, fen) (W) ☐

Coniferous plantation (CP) ☐ Open water (OW) ☐

Moorland/heath (MH) ☐ Improved/moor-improved grass (IG) ☐

Scrub (SC) ☐ Tilled land (TL) ☐

Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

RIGHT BANK (R)

I. BANK PROFILES (Use E (in 33% banklength) or F if present)

Natural/Unmodified

Vertical/undercut ☒ Rescoured ☐

Vertical + toe ☒ Reinforced - whole bank ☐

Step (> 45°) ☒ Reinforced - top only ☐

Gravel ☒ Reinforced - toe only ☐

Composite ☒ Artificial two-stage ☐

Use this space to draw profile of channel from above, showing predominant bed

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per feature)

None ☐ Left ☐ Right ☐ Notes ☐

Isolated/scattered ☐ Regularly spaced, single ☐ Occasional clumps ☐ Semi-continuous ☐ Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E > 33% ☐ None ☐ Present ☐ Notes ☐

Shading of channel ☐ Overhanging boughs ☐ Exposed bankside roots ☐ Underwater tree roots ☐ Fallen trees ☐ Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒ Marginal deadwater - slack ☐

Cascade(s) - chute ☒ Exposed bedrock ☐

Step-pool sequence ☒ Exposed boulders ☐

Rapid(s) - white-water ☒ Vegetated mid-channel bars ☐

Riffle-pool sequence ☒ Vegetated mid-channel bars ☐

Run(s) - disturbed, rippled ☒ Minor island(s) ☐

Boil(s) - swirling ☒ Unvegetated side bars ☐

Glide(s) - smooth, no eddies ☒ Vegetated side bars ☐

Have you completed your enquiries from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop width (m) 6.50 **RIGHT BANK**

Banktop height (m) 0.70 Water width (m) 6.0 Banktop height (m) 0.70

Banktop height (m) 0.70 Water depth (m) 0.70 Banktop height (m) 0.70

If waterline lower than banktop break in slope, indicate height (m) _____ width (m) _____

Bed material at site is: consolidated (concrete) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (pick one box) Slope (IFE only) _____

M. ARTIFICIAL FEATURES (Use 1-10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = _____ Weirs = _____ Outfalls = _____

Footbridges = _____ Roadbridges = _____ Part of site ☐ Mouth of site ☐

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other? State _____

weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Residual/side channels ☐ Natural open water ☐ Care ☐

Debris dams ☐ Water meadow ☐ Marsh ☒

Leafy debris ☒ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 then indicate total number)

Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? State _____

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate) (The Sentences)

Descriptive sentence: Small shallow gravel stream, high water, degraded by 1/2 to 1/3 of channel, upstream and 20m of mouth - 2 night

Place of note: bank, used on left bank with willow

Major conservation features: _____

Major impacts: _____

Incidental observations (animals etc): Km of fish








IF E - Mid - see (p. 10-11)

S. DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees ☐ State _____

SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, B120 8BB

Enquiries supplied! Post completed forms for processing. Labels supplied on request

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4			
A BACKGROUND MAP-BASED INFORMATION			
Altitude(m)	Slope (m/km)	Flow category (1-10)	
Solid geology code	Drift geology code	Planform category	
Distance from source(km)	Significant tributary ?	Navigation ?	
B FIELD SURVEY DETAILS			
Reference network site number: <u>3780</u>			
Mid-section grid reference of network site (if different from designated location):			
COMPLETE THE FOLLOWING FOR ALL SITES			
Grid Reference: <u>TC1773</u>		River: <u>ELIMINATION CREEK</u> (USE CODE)	
Date <u>22.11.1995</u>	Time: <u>13.45</u>	Surveysor name (with grade): <u>EC</u> <u>MLT</u> <u>NO</u> <u>16</u> <u>PA</u>	
Adverse conditions affecting survey?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	If yes, state: <u>none</u>	
Bed of river visible?	No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/>	(tick one box)	
Special features: <u>None</u>			
Photographs: general character? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>		with <u>SL</u> <u>ML</u> <u>PA</u>	
[Essential - nature units required if follow-up]		Brown	
Site surveyed from:	left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/>	(tick as appropriate)	
C PREDOMINANT VALLEY FORM (tick one box only)			
	<input type="checkbox"/> shallow vee		<input type="checkbox"/> terraced valley floor
	<input type="checkbox"/> deep vee		<input checked="" type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain
	<input type="checkbox"/> concave bowl		
D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)			
Riffles <u>3</u>	Unvegetated point bars		
Pools	Vegetated point bars		

National Rivers Authority

[illegible]

APP-17-1

SITE NO. _____

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP

Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E for 33% banktop) or # if present

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (W)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/mid-improved grass (IG)		
Scrub (SC)		✓	Tilled land (TL)	E	E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES: Use E (or 33% banktop) or # if present

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unreinforced		✓	Reinforced		
Vertical + toe			Reinforced + whole bank		
Escarp (> 45°)	E	E	Reinforced + top only		
Gentle			Reinforced + toe only		
Composite			Artificial re-grades		
Use this space to draw profile of difference from above, after making a uniformised base			<div style="border: 1px solid black; padding: 2px;"> Pseudobank </div> <div style="border: 1px solid black; padding: 2px;"> Embankment </div>		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)				
	Left	Right	E 33%	None	Present E	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>					
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>					
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>					
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
Continuous	<input type="checkbox"/>	<input type="checkbox"/>					
			Flowing of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
			Overhanging banks	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
			Exposed boulders/rocks	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
			Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
			Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E	None	Present E
Waterfall(s) - freefall	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Puddle-pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maroon islands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reef(s) - spawning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gully(s) - smooth, no debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)				
LEFT BANK		Bank top width (m)	4	RIGHT BANK
Bank top height (m)	6	Water width (m)	2	Bank top height (m)
Banked height (m)		Water depth (m)	10	Banked height (m)
If trashline lower than bank top break in slope, indicate: height (m) width (m)				
Bed material at site is: consolidated (temp) <input type="checkbox"/> unconsolidated (poor) <input checked="" type="checkbox"/> unknown <input type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/> pick one box Slope (IFE only)				
M. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)				
Stone <input checked="" type="checkbox"/>	Number of Culverts =	Wires =	Outfalls =	Fence =
	Footbridges =	Spandridges =	Others =	
Is water level controlled by a weir/dam downstream? No <input checked="" type="checkbox"/> Part of site <input type="checkbox"/> <input type="checkbox"/> Water's hole of site <input type="checkbox"/>				
N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)				
dredging <input type="checkbox"/>	moving <input type="checkbox"/>	Other? Sure		
wood-cutting <input type="checkbox"/>	enhancement <input type="checkbox"/>			
O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))				
CHANNEL				
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Big <input type="checkbox"/>	Other (note)	
Bridges/sides channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cur <input type="checkbox"/>		
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Mud <input type="checkbox"/>		
Loose debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flood <input type="checkbox"/>		
P. CHOKED CHANNEL (Tick one box)				
Is 25% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Q. NOTABLE NATURAL PLANT SPECIES (tick 1 or 2) RARE CHECKED				
Giant Hogweed <input checked="" type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? Sure				
R. BRIEF DESCRIPTION (Use proper and lay words as appropriate) The Subcatchment				
Descriptive sentence: Fluvial/terrestrial field station. Subcatchment management.				
Plants of note:				
Major conservation features:				
Major impacts: Adjacent agricultural land				
Incidental observations (animals etc):				
IFE 2 chemical samples taken <input checked="" type="checkbox"/> filtered <input checked="" type="checkbox"/>				
S. DISEASED ALGAE (tick one box)				
None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Other (describe) Sure				

01/2/95

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 1BB

NRA RIVER HABITAT SURVEY 1995: U.S. N.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope(m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3704
 Mid-section grid reference of network site if different from designated location: *Am*
 COMPLETE THE FOLLOWING FOR ALL SITES *JL DH IH CC ML*
 Grid Reference: River: *TR, TW, FH, 16 AK, 760*
 Date: 11/1/1995 Time: 1:00 PM Surveyor name: *CC, ML, 110, 116, 117*
 Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*
 Bed of river visible? No ☒ partially ☐ entirely ☐ (tick one box)
 Photographs: general character? No ☐ Yes ☐ (tick one box) *See 110 on 116*
 Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl *+ notes on 116*

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 111 then indicate total number)

Riffles ☐ Unvegetated point bars ☐
 Pools ☐ Vegetated point bars ☐
 IFE = 111 - 500 (see 111)

National Rivers Authority

JAMES, Reed
 11/1/1995

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) Mark with a tick (✓)

Spot check 1 is at: upstream end ☐ of site ☐ (tick one)

LEFT BANK (tick one box for each feature)

Mat. *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*
 Bank modification(s) ☐ NO, BE, AL, FC, BA, EN
 Bank feature(s) ☐ NO, BE, AL, FC, BA, EN
 CHANNEL NOTE - Use 111 for all features

Channel substrate (tick one box) *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*
 Flow type (tick one box) *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*
 Channel modification(s) ☐ NO, BE, AL, FC, BA, EN
 Channel feature(s) ☐ NO, BE, AL, FC, BA, EN

RIGHT BANK (tick one box for each feature)

Mat. *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*
 Bank modification(s) ☐ NO, BE, AL, FC, BA, EN
 Bank feature(s) ☐ NO, BE, AL, FC, BA, EN

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide area)

Land use: choose one from BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW
 LAND USE WITHIN 5m OF BANKTOP (L) *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*
 LEFT BANK-TOP (structure within 1m) *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*
 RIGHT BANK-TOP (structure within 1m) *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*
 LAND USE WITHIN 5m OF BANK TOP (R) *BE, SO, CO, GL, LE, PE, CL, CC, SP, WP, GA, JR, AR, SW*

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one tick (✓) or (✓) if present)

NONE (tick) ☐ Plant growth (tick one box) ☐
 Liverworts ☐ Mosses/lichens ☐ *See 111*
 Emergent broad ☐ *See 111*
 Emergent narrow ☐ *See 111*
 Floating-leaved (tick one box) ☐ *See 111*
 Free-floating ☐
 Amphibious ☐
 Submerged - broad-leaved ☐
 Submerged - narrow-leaved ☐
 Filamentous algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

NOTES - Use 111 for all features as per 111. If a feature is present, tick (✓) or (✓) if present. If a feature is not present, tick (X) or (X) if not present.

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or ✓ if present)

Broadleaf/deciduous woodland (BL) ☐ Wetland (eg bog, marsh, fen) (WL) ☐
 Coniferous plantation (CP) ☐ Open water (OW) ☐
 Moorland/heath (MH) ☐ Improved/semi-improved grass (IG) ☐
 Scrub (SC) ☐ Tilled land (TL) ☐
 Rough pasture (RP) ☐ Suburban/urban development (SU) ☐

I. BANK PROFILES (Use E (≥ 33% banklength) or ✓ if present)

Natural/unmodified ☐ Artificial/modification ☐
 Vertical/undercut ☐ Resectioned ☐
 Vertical + toe ☐ Reinforced - whole bank ☐
 Steep (> 45°) ☐ Reinforced - top only ☐
 Gentle ☐ Reinforced - toe only ☐
 Composite ☐ Artificial two-stage ☐
 Use this space to draw profile if different from above, after taking predetermined base

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☒ Left ☐ Right ☐ W.T.E. ☐
 Isolated/scattered ☐
 Regularly spaced, single ☐
 Occasional clumps ☐
 Semi-continuous ☐
 Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

E ≥ 33% ☐ None ☐ Present ☐
 Shading of channel ☐
 Overhanging boughs ☐
 Exposed bankside roots ☐
 Underwater tree roots ☐
 Fallen trees ☐
 Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - free-fall ☐ None ☐ Present ☐ E ☐
 Cascade(s) - chute ☐
 Step/pool sequence ☐
 Rapid(s) - whitewater ☐
 Riffle-pool sequence ☐
 Run(s) - disturbed, rippled ☐
 Boil(s) - upwellings ☐
 Glide(s) - smooth, no eddies ☐

Marginal dead-water - slack ☐
 Exposed bedrock ☐
 Exposed boulders ☐
 Unvegetated mid-channel bars ☐
 Vegetated mid-channel bars ☐
 Mature island(s) ☐
 Unvegetated side bars ☐
 Vegetated side bars ☐

Have you completed your request form this week? (and 6 PND for signature!)

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK ☐ RIGHT BANK ☐
 Banktop width (m) ☐ 11m ☐
 Banktop height (m) ☐ Water width (m) ☐ Banktop height (m) ☐
 Embankment height (m) ☐ Water depth (m) ☐ Embankment height (m) ☐
 If bankline lower than banktop break in slope, indicate: height (m) width (m)
 Bed material at site is: consolidated (tempers) ☐ unconsolidated (loose) ☐ unknown ☐
 Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box) Slope (IFE only) ☐

M. ARTIFICIAL FEATURES (Use 111/Indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = ☐ Weirs = ☐ Outfalls = ☐ Ponds = ☐
 Footbridges = ☐ Roadbridges = ☐ Other = ☐
 Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/bulk of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dragging ☐ moving ☐ Other? State: ☐
 weed-cutting ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☐ FLOODPLAIN (50m corridor) ☐
 Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐
 Braided/side channels ☐ Natural open water ☐ Carr ☐
 Debris dams ☐ Water meadow ☐ Marsh ☐
 Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use ✓ or X)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: ☐

R. BRIEF DESCRIPTION (Use 111/Indicate total number, tick "none" where appropriate)

Descriptive sentence: *See 111*
 Plants of note: *See 111*
 Major conservation features: *See 111*
 Major impact: *See 111*
 Incidental observations (animals etc): *See 111*

S. DISPERSED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (describe) ☐ State: ☐

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6LB
 Envelopes supplied! Post completed forms for forwarding. Labels supplied on request.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 5485
Mid-section grid reference of network site (if different from designated location): Angle

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: JL DH TH CC ML
River: 79, 74 PM 16 AK 760
Date: 21.6.1995 Time: 12.15 Surveyor name: EC MLK NP 126 P2
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: None
Bed of river visible? No ☐ partially ☒ entirely ☐ (tick one box)
Photographs: general character? No ☒ Yes ☐ (tick one box)
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes: none

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE - mod - see survey report

National Rivers Authority

DATES: record found checked labels

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or if present)

	L	R		L	R
Broadleaved woodland (BL)			Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or if present)

	L	R		L	R
Natural/unmodified			Reinforced		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (> 45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
Use this space to draw profile if different from above, after filling predetermined box			Embedded		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	NOTES	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	NOTES
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>		Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>		Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present		None	Present	NOTES
Waterfall(s) - freefall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Step/pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	
Bolt(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	
Glides(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	

Have you completed your responses from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at: upstream and downstream	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK											
Mat. BEAD, CO, CL, GL, PE, PL, SC, SP, SW, W, WJ, WJW, WJWJ	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	
Bank modification(s)	NO, R, L, P, C, B, M, E, N	RS	15	16	17	18	19	20	21	22	
Bank feature(s)	NO, R, L, P, C, B, M, E, N	SC	SL	CL	PL	SC	PL	NO	PL	NO	
CHANNEL NOTE											
Channel substrate (one)	BEAD, CO, CL, GL, PE, PL, SC, SP, SW, W, WJ, WJW, WJWJ	CL	CL	CL	CL	CL	CL	CL	CL	CL	
Flow type (one)	FF, CH, W, WJ, WJW, WJWJ, WJWJW, WJWJWJ	WJ	WJ	WJ	WJ	WJ	WJ	WJ	WJ	WJ	
Channel modification(s)	NO, R, L, P, C, B, M, E, N	10	11	12	13	14	15	16	17	18	
Channel feature(s)	NO, R, L, P, C, B, M, E, N	10	11	12	13	14	15	16	17	18	
RIGHT BANK											
Mat. BEAD, CO, CL, GL, PE, PL, SC, SP, SW, W, WJ, WJW, WJWJ	6B	7B	8B	9B	10B	11B	12B	13B	14B	15B	
Bank modification(s)	NO, R, L, P, C, B, M, E, N	RS	15	16	17	18	19	20	21	22	
Bank feature(s)	NO, R, L, P, C, B, M, E, N	SC	SL	CL	PL	SC	PL	NO	PL	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, WJ, WJW, WJWJ, WJWJW, WJWJWJ

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10	Notes
LEFT BANK-TOP (structure within 1m)	SC	SL	CL	PL	SC	PL	NO	PL	NO	PL	
LEFT BANK FACE (structure)	SC	SL	CL	PL	SC	PL	NO	PL	NO	PL	
RIGHT BANK-TOP (structure within 1m)	SC	SL	CL	PL	SC	PL	NO	PL	NO	PL	
RIGHT BANK FACE (structure)	SC	SL	CL	PL	SC	PL	NO	PL	NO	PL	
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SL	CL	PL	SC	PL	NO	PL	NO	PL	

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or if present)

	1	2	3	4	5	6	7	8	9	10	Notes
NONE (tick)											
Emergent broad-leaved herbs											
Emergent narrow-leaved herbs											
Emergent sedge/rushes											
Flowering-leaved (rooted)											
Free-floating											
Amphibious											
Submerged - broad-leaved											
Submerged fine-leaved											
Filamentous algae											

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or if present)

Notes: Use tick boxes of types of vegetation + species if possible eg Potamogeton pectinatus

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Embankment height (m)
	10.0	8.3	1.5	1.5	1.5

M ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick 'none' where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ weed-cutting ☐ enhancement ☐ Other? State: None

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Bog
	Other (state): <u>None</u>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: None

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Wide sluggish waterway used by pleasure craft (mainly motor). Murky water & clay substrate. Little plant life in the channel. Grasses & sedges on both banks predominantly. Water extracted from waterway & stored on adjacent field for Christmas.
Major conservation features: ? Giant Hogweed, 6-8 ft tall.
Major impacts: Pleasure boats / wash from them. (have reinforced R bank)
Incidental observations (animals etc): None

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: None

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Enquiries: enquiries Post: completed forms for processing - labels supplied

NRA RIVER HABITAT SURVEY 1995: IFB, P-1A Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3751
Mid-section grid reference of network site if different from designated location: *Anglo*

COMPLETE THE FOLLOWING FOR ALL SITES *JL DH IH CC ML*

Grid Reference: River: *TS, TW, PH, LA, K, 760*
Date: 10/10/1995 Time: 10:00 Surveyor name: *GC, MLV, NO, NS, F-2*
Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*
Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) *General! Brown!*
Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + notes/other: *downstream*

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars
Pools Vegetated point bars
IFE - mid - see above (p.11)

National Rivers Authority

JAMES, R. and *framed* *valley* *lateral*
1-10/11/95

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (tick one box)

Spot check 1 is at upstream and downstream (tick one)

LEFT BANK (looking down channel)

Mat. *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*
Bank modification(s) ☒ *NO, AR, LF, CL, CC, SP, WP, CL, AR, BR, BW*
Bank feature(s) ☒ *NO, AR, LF, CL, CC, SP, WP, CL, AR, BR, BW*
Channel substrate (fine) *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*
Flow type (fine) *FF, CL, BR, WP, CL, AR, BR, BW*
Channel modification(s) ☒ *NO, AR, LF, CL, CC, SP, WP, CL, AR, BR, BW*
Channel feature(s) ☒ *NO, AR, LF, CL, CC, SP, WP, CL, AR, BR, BW*

RIGHT BANK (looking up channel)

Mat. *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*
Bank modification(s) ☒ *NO, AR, LF, CL, CC, SP, WP, CL, AR, BR, BW*
Bank feature(s) ☒ *NO, AR, LF, CL, CC, SP, WP, CL, AR, BR, BW*

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW, NO, TL, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*
LEFT BANK FACE (structure) *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*
RIGHT BANK FACE (structure) *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*
RIGHT BANK-TOP (structure within 1m) *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*
LAND USE WITHIN 5m OF BANK TOP (R) *BL, SO, CO, GL, LF, CL, CC, SP, WP, CL, AR, BR, BW*

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry use E (≥ 33% area) or F (present))

NONE (tick) *Plant species (list in notes)*

Liverworts mosses/lichens ☐
Emergent broad-leaved herbs ☒
Equisetum sedge ☒
Floating-leaved (free) ☒
Free-floating ☒
Amphibious ☒
Submerged - broad-leaved ☒
Submerged fine-leaved ☒
Filamentous algae ☒

Use the end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use list in back of book of plants to be recorded. If species of plants are present, list them in notes.

PLANTS - Use list in back of book of plants to be recorded. If species of plants are present, list them in notes.

IFB, P-1B Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

BL Broadleaf/mixed woodland (BL) ☒
CP Coniferous plantation (CP) ☐
MH Moorland/heath (MH) ☐
SC Scrub (SC) ☒
RP Rough pasture (RP) ☒
W Wetland (eg bog, marsh, fen) (W) ☐
OW Open water (OW) ☐
IG Improved/semi-improved grass (IG) ☐
TL Tilled land (TL) ☐
SU Suburban/urban development (SU) ☐

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

Natural/unmodified ☐
Vertical/undercut ☐
Vertical + toe ☐
Steep (> 45°) ☐
Gentle ☐
Composite ☐
Artificial/modified ☐
Recessed ☐
Reinforced - whole bank ☐
Reinforced - top only ☐
Reinforced - toe only ☐
Artificial two-stage ☐
Pierced ☐
Embanked ☐
Set-back embankments ☐

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)

None ☐
Isolated/scattered ☐
Regularly spaced, single ☐
Occasional clumps ☐
Semi-continuous ☐
Continuous ☐

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☐
Overhanging boughs ☐
Exposed bankside roots ☐
Underwater tree roots ☐
Fallen trees ☐
Coarse woody debris ☐

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒
Cascades(s) - chute ☒
Step/pool sequences ☒
Rapid(s) - submergent ☒
Riffle-pool sequences ☒
Runs(s) - disturbed, stepped ☒
Boil(s) - upwellings ☒
Glides(s) - smooth, no eddies ☒
Marginal deadwater - slack ☐
Exposed bedrock ☐
Exposed boulders ☐
Unvegetated mid-channel bars ☐
Vegetated mid-channel bars ☐
Mature island(s) ☐
Unvegetated side bars ☐
Vegetated side bars ☐

Have you completed your squares from this week? (send to FID for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK RIGHT BANK

Banktop height (m) *0.2* Banktop width (m) *4.0*
Water width (m) *4.0* Banktop height (m) *0.5*
Embankment height (m) *0.5* Water depth (m) *0.5*
Embankment height (m) *1.0*

If transverse lower than banktop break to slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M ARTIFICIAL FEATURES (Use 1-10 to indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = *1* Footbridges = *1* Outfalls = *0* Fords = *0*
Is water level controlled by weir/dam downstream? No ☐ Part of site ☐ Mouth/hole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐
weed-cutting ☐ enhancement ☐ Other? State: *...*

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL Waterfalls > 5m high ☐
Artificial open water ☐
Natural open water ☐
Debris dams ☐
Water meadow ☐
Leafy debris ☐
Fen ☐
FLOODPLAIN (50m corridor) Artificial open water ☐
Natural open water ☐
Water meadow ☐
Fen ☐
Dog ☐
Cur ☐
Mush ☐
Flush ☐

P CROOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1-10 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: *...*

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: *Shallow stream, steps at intervals, and some standing water. At end of site, culminated both sides with lowing dammed, mostly parallel.*
Plants of note: *...*

Major conservation features: *...*
Major impacts: *...*
Incidental observations (animals etc): *...*

S DISTURBED ALLODS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (disturbed tract) State: *...*

SEND COMPLETED FORMS TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B120 4BB

Envelopes supplied! Post completed forms for processing - labels supplied.

NRA RIVER HABITAT SURVEY 1995: IFE - M.A.A. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3787

Mid-section grid reference of network site if different from designated location: *Angle*

COMPLETE THE FOLLOWING FOR ALL SITES *72 DH HCE ML*

Grid Reference: River: *Lo-k*

Date: *27/6/1995* Time: *9:00* Surveyor name: *CC MLY HD 126 F20*

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: *...*

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) *Site 126 m!*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/make diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1-10 then indicate total number)

Riffles Unvegetated point bars

Pools Vegetated point bars

IFE - M.A.A. - 500m SWEEP-UP

National Rivers Authority

DATE: *27/6/1995* *found* *valley* *channel*

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Riffles Pools Unvegetated point bars Vegetated point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) (tick one box) (e) (tick one box)

Spot check 1 is at: upstream end ☐ of site ☒ downstream end ☐ (tick one box)

LEFT BANK (looking downstream)

Mat. *BEAD CO GLEA PE CL CC SP VP GA BR AR SW*

Bank modification(s) ☒ NO/AL/PC/AN/EN

Bank feature(s) ☒ NO/AL/PC/AN/EN

CHANNEL NOTE: *Use the following to indicate aspects of channel*

Channel substrate (fine) *BEAD CO GLEA PE CL CC SP VP GA BR AR SW*

Flow type (one) *FT OL/SL/STW/CP/SP/UP/SH/AT/NO*

Channel modification(s) ☒ NO/AL/PC/AN/EN

Channel feature(s) ☒ NO/AL/PC/AN/EN

RIGHT BANK (looking upstream)

Mat. *BEAD CO GLEA PE CL CC SP VP GA BR AR SW*

Bank modification(s) ☒ NO/AL/PC/AN/EN

Bank feature(s) ☒ NO/AL/PC/AN/EN

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from *BL CP SH SC SP WL OV RD RL SU*

LAND USE WITHIN 5m OF BANKTOP (L) *CU CU L L SU CP CP CP CP CP*

LEFT BANK-TOP (structure within 1m) *BL/SC*

LEFT BANK FACE (structure) *BL/SC*

RIGHT BANK FACE (structure) *BL/SC*

RIGHT BANK-TOP (structure within 1m) *BL/SC*

LAND USE WITHIN 5m OF BANK TOP (R) *CU CU L L SU CP CP CP CP CP*

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (to 33% area) or G (greater))

NONE (tick) ☒ Plant genera (tick one)

Liverwort ☐ Moss ☐ Fern ☐ ☒

Emergent reed ☐ ☒

Emergent sedge ☐ ☒

Flowering reed ☐ ☒

Free-floating ☐

Amphibious ☐

Submerged ☐

Submerged float ☐

Filament, algae ☐

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or G)

PLANTS - Use the following to indicate aspects of channel vegetation

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or G if present)

BL ☒ *Wetland (eg bog, marsh, fen) (W)* ☐

CP ☒ *Open water (OW)* ☐

SH ☒ *Improved/semi-improved grass (IG)* ☐

SC ☒ *Tilled land (TL)* ☐

SP ☒ *Suburban/urban development (SU)* ☐

I. BANK PROFILES (Use E (to 33% banklength) or G if present)

Natural/unmodified *L* ☒ Artificial/modified *L* ☐

Vertical/undisturbed *L* ☒ Resectioned *L* ☐

Vertical + toe *L* ☒ Reinforced - whole bank *L* ☐

Slope (>45°) *L* ☒ Reinforced - top only *L* ☐

Gully *L* ☒ Reinforced - toe only *L* ☐

Composite *L* ☒ Artificial two-stage *L* ☐

Use this space to draw profile if different from above, after ticking predominant box

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None ☐ *L* ☐ *R* ☐ *WATER* ☐

Isolated/scattered ☐

Regularly spaced, single ☐

Occasional clumps ☐

Semi-continuous ☒

Continuous ☐

ASSOCIATED FEATURES (tick one box per feature)

E 23% ☐ Shading of channel ☐

Overhanging boughs ☐

Exposed bankside roots ☐

Underwater tree roots ☐

Fallen trees ☐

Coarse woody debris ☐

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Waterfall(s) - freefall ☐ *L* ☐ *R* ☐ *WATER* ☐

Cascade(s) - chute ☐

Step/pool sequence ☐

Rapids(s) - whitewater ☐

Riffle-pool sequence ☐

Runs(s) - disturbed, rippled ☐

Boils(s) - upwellings ☐

Glides(s) - smooth, no eddies ☐

Marginal deadwater - slack ☐

Exposed bedrock ☐

Exposed boulders ☐

Unvegetated mid-channel bars ☐

Vegetated mid-channel bars ☐

Marshy island(s) ☐

Unvegetated side bars ☐

Vegetated side bars ☐

Have you completed your squares from this week? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK

Banktop height (m) *1m*

Banktop width (m) *12m*

Water width (m) *12m*

Embanked height (m) *12m*

Water depth (m) *12m*

Embanked height (m) *12m*

If bankline lower than banktop break in slope, indicate height (m) width(m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFE only)

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = *1* Weirs = *1* Roadbridges = *2* Outfalls = *1* Fords = *1*

Is water level controlled by weir/dam downstream? No ☐ Part of site ☒ Mouth/whole of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

drudging ☐ mowing ☐

weed-cutting ☒ enhancement ☐ Other? State: *...*

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

CHANNEL

Waterfalls > 5m high ☐

Artificial open water ☐

Drilled/side channels ☐

Natural open water ☐

Debris dams ☐

Wetland meadow ☐

Leafy debris ☐

Fen ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: *...*

R. BRIEF DESCRIPTION (Use prompt and key words as appropriate)

Descriptive sentence: *Small stream flowing under a small culvert with a water level rise of 1m. The water is clear and the banks are grassy. There are some trees on the left bank and some bushes on the right bank. The water is flowing at a moderate rate.*

Plants of note: *...*

Major conservation features: *...*

Major impacts: *...*

Incidental observations (animals etc): *...*

S. DISEASED ALDERS (tick one box)

None ☐ Present ☐ Extensive ☐ Other (disease tree) State: *...*

SEND COMPLETED FORMS TO: IFE, RIVER LABORATORY, EAST STOKES, WAKEHAM, BH20 6BB

Envelopes supplied! Post completed forms for forwarding - labels supplied

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Planform category
Distance from source(km) Significant tributary? Navigation?

B FIELD SURVEY DETAILS

Reference network site number: 3788
Mid-section grid reference of network site if different from designated location:
COMPLETE THE FOLLOWING FOR ALL SITES
Grid Reference: TL 5757 River: CL 10 10 10 10 10 10
Date 19/6/1995 Time: 11.14.20 Surveyor name: G.C. M.V. NO. 126 1-2
Adverse conditions affecting survey? No ☐ Yes ☐ If yes, state:
Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)
Photographs: general character? No ☐ Yes ☐ (tick one box) Site 12 on 1!
Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
☐ concave/bowl ☐ + NILES/mh. Traction

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles 2 Unvegetated point bars 0
Pools 0 Vegetated point bars 0
(Use 1/10 - see note on page 1)

National Rivers Authority

JMES. Record prepared verified by date

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Broadleaved woodland (BL)	E		Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)	E	
Scrub (SC)			Tilled land (TL)		E
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Reinforced	E	E
Vertical/undercut	2	2	Reinforced - whole bank	2	2
Vertical + toe	2	2	Reinforced - top only	2	2
Steep (> 45°)	2	2	Reinforced - toe only	2	2
Gentle	2	2	Artificial two-stage	2	2
Composite	2	2	Poached	2	2
Use this space to draw profile if different from above, other sitting predominant bank			Embankment	2	2
			Set-back embankments	2	2

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E	NILES
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overlapping boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E	NILES
Waterfall(s) - free-fall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - white-water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rove(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s) - spilling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s) - smooth, no eddies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Have you completed your request for this work? (send to FWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 10 SPOT CHECKS Page 2 of 4

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (d) Mark (y/n/t/n/s) feature (f)

Spot check 1 is at: upstream end ☐ of site ☒ (tick one)

	1	2	3	4	5	6	7	8	9	10	Total
LEFT BANK (looking downstream)											
Mat. BE,BO,CO,CL,EL,FE,GC,GP,GR,HA,HA,BW	FA	EA	EA	FA	EA	EA	EA	CL	FA	EA	
Bank modification(s) NO,AL,AL,PC,AN,EN	NS	NS	NS	NO	NO	NO	NS	NS	NS	NS	
Bank feature(s) NO,NO,SC,SC,PR,PR,SE,SE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL NOTE: Use the same scale as above to assess the channel											
Channel substrate (one) NY,BE,BO,CO,GP,HA,HA,BW	CC	CP	CP	CP	CP	CP	SA	SA	SA	SA	
Flow type (one) FF,CL,CL,CL,CL,CL,CL,CL,CL,CL,CL,CL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel modification(s) NO,NO,AL,AL,AL,AL,AL,AL,AL,AL,AL,AL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s) NO,NO,AL,AL,AL,AL,AL,AL,AL,AL,AL,AL	TR	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK (looking upstream)											
Mat. BE,BO,CO,CL,EL,FE,GC,GP,GR,HA,HA,BW	FA	EA	EA	FA	EA	EA	EA	CL	FA	EA	
Bank modification(s) NO,AL,AL,PC,AN,EN	NS	NS	NS	NO	NO	NO	NS	NS	NS	NS	
Bank feature(s) NO,NO,SC,SC,PR,PR,SE,SE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, MH, SC, RP, WL, OW, TL, SU

	SC	CP	BL	CP	BL	CP	BL	CP	BL	CP	BL	CP
LEFT BANK-TOP (structure within 1m) BL,SC	U	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BL,SC	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BL,SC	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BL,SC	U	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R) TL,TL,TL,TL,TL,TL,TL,TL,TL,TL,TL,TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))

	None	Present	E	F
Liverwort mosses/lichens - mid...				
Emergent broad-leaved herbs				
Emergent reeds/ sedges/ rushes				
Floating-leaved (free-floating)				
Free-floating				
Amphibious				
Submerged - broad-leaved				
Submerged fine-leaved				
Filament, algae				

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use 1/10 to 1/100 of bank length of plants in vegetation + species if possible of plants past a 10m transect

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.5	RIGHT BANK	
Banktop height (m)	1.5		Banktop height (m)	2.0
Enhanced height (m)	1.5		Enhanced height (m)	2.0
Banktop width (m)	1.5		Banktop width (m)	2.0
Banktop height (m)	1.5		Banktop height (m)	2.0
Enhanced height (m)	1.5		Enhanced height (m)	2.0

M ARTIFICIAL FEATURES (Use 1/10 then indicate total number, tick "none" where appropriate)

None ☐ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
In water level controlled by weir/dam downstream? No ☐ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☒ mowing ☐ Other? State:
weeding ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☒ FLOODPLAIN (50m corridor)
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridle/dike channels ☐ Natural open water ☐ Curt ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

F CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/10 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: NITILE (1/1)

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Fast flow & 10m on left bank ss. mid woodbed
Plants of note: No red & no water any else is other TL or
Major conservation features: long part & water flow is altered
Major impacts:
Incidental observations (animals etc):

S DISEASED ALDERS (Tick one box)

None ☐ Present ☐ Extensive ☐ Other diseased trees? State:
SEND COMPLETED FORMS TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH21 4BB
Envelopes supplied! Post completed form for forwarding labels supplied

140757

PLANTS - Use 1st 4 letters of genus & Pota, Pota + genus
+ species if possible e.g. Pota sect & Pota + genus + species

Envelopes supplied! Post completed files for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995 *Form A* Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION		
Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?

B FIELD SURVEY DETAILS	
Reference network site number: <u>3792</u>	
Mid-section grid reference of network site if different from designated location:	
COMPLETE THE FOLLOWING FOR ALL SITES	
Grid Reference: <u>7752</u> <u>TM205791</u> River: <u>Waveney</u>	
Date: <u>7.11.1995</u> Time: <u>11.30</u>	Surveyor name: <u>(initials)</u> <u>78, 74, F4, 1 & A K, 78m</u>
Adverse conditions affecting survey? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> If yes, state: <u>.....</u>	
Bed of river visible? No <input type="checkbox"/> partially <input checked="" type="checkbox"/> entirely <input type="checkbox"/> (tick one box)	
Photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> (tick one box) <u>General features</u> <u>Extra notes</u> <u>Notes</u>	
Site surveyed from: left bank <input checked="" type="checkbox"/> right bank <input type="checkbox"/> channel <input type="checkbox"/> (tick as appropriate)	

C. PREDOMINANT VALLEY FORM (tick one box only)	
<input type="checkbox"/> shallow vee	<input type="checkbox"/> terraced valley floor
<input type="checkbox"/> deep vee	<input checked="" type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain
<input type="checkbox"/> concave/bowl	+ NOTES/extra features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1411 when indicate total numbers)	
Riffles	Unvegetated point bars
Pools	Vegetated point bars

NRA River Habitat Survey 1995

DATE. Record	prepared	initialed	detained
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Page 2 of 4

NILE RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Riffles (0-4%)	Pools	Unvegetated point bars	Vegetated point bars											
<p>E. PHYSICAL ATTRIBUTES to be assessed across channel within a 1m wide zone (3) track (see note) (4) bank</p> <p>Spot check 1 is at: upstream and downstream of site of site (fill out)</p>														
LEFT BANK look on down stream		1	2	3	4	5	6	7	8	9	10			
Bank material (fine)		H.S. CO. G.S. S.F. CL												
Bank modification(s)		H.S. H.S. PC. M. M.												
Bank factor(s) <input checked="" type="checkbox"/>		H.S. H.S. S.F. S.F. S.F. S.F.												
CHANNEL NOTE: Use all the above aspects of channel														
Channel substrate (fine)		H.S. H.S. CO. G.S. H.S. CL												
Flow type (fine)		H.S. H.S. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F.												
Channel modification(s)		H.S. H.S. H.S. H.S. H.S. H.S. H.S. H.S. H.S. H.S. H.S. H.S. H.S. H.S.												
Channel factor(s)		H.S. H.S. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F.												
RIGHT BANK look down stream														
Bank material (fine)		H.S. CO. G.S. S.F. CL												
Bank modification(s)		H.S. H.S. PC. M. M.												
Bank factor(s) <input checked="" type="checkbox"/>		H.S. H.S. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F. S.F.												
F. BANKTOP LAND USE AND VEGETATION STRUCTURE. to be assessed over a 10m wide transect														
Land use: choose one from R, C, P, S, L, V, H, O, W, R, B														
LAND USE WITHIN 5m OF BANKTOP (L)		R, C, P, S, L, V, H, O, W, R, B												
LEFT BANK-TOP (structure within 1m)		H, C, V, U, S, L, S, Y, U, V, U, V												
LEFT BANK FACE (structure)		H, C, V, U, S, L, S, Y, U, V, U, V												
RIGHT BANK FACE (structure)		H, C, V, U, S, L, S, Y, U, V, U, V												
RIGHT BANK-TOP (structure within 1m)		H, C, V, U, S, L, S, Y, U, V, U, V												
LAND USE WITHIN 5m OF BANK TOP (R)		H, C, V, U, S, L, S, Y, U, V, U, V												
G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry; use B (to 12% area) or J (percent)														
NONE (a)		Plant species (later)												
Littoral		H, C, V, U, S, L, S, Y, U, V, U, V												
Emergent broad		H, C, V, U, S, L, S, Y, U, V, U, V												
Emergent meadow		H, C, V, U, S, L, S, Y, U, V, U, V												
Floating-leaved (macro)		H, C, V, U, S, L, S, Y, U, V, U, V												
Free-floating		H, C, V, U, S, L, S, Y, U, V, U, V												
Amphibious		H, C, V, U, S, L, S, Y, U, V, U, V												
Submerged - broad-leaved		H, C, V, U, S, L, S, Y, U, V, U, V												
Submerged fine-leaved		H, C, V, U, S, L, S, Y, U, V, U, V												
Filamentous algae		H, C, V, U, S, L, S, Y, U, V, U, V												

Use end "catch all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

PLANTS - Use 100 letters of Grains & Potatoes, Potatoes
+ species if possible of Potatoes & Potatoes potatoes potatoes

Page 1 of 2

SITE NO. 27942 **NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP** **Page 3 of 4**

H. LAND USE WITHIN 50m OF BANKTOP Or E (≥ 25% banktop) or, if present

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (WZ)		
Coniferous plantation (CF)			Open water (ON)		
Moorland/heath (MH)			Improved/broom-improved grass (IG)		<input checked="" type="checkbox"/>
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I. BANK PROFILES: Or E (≥ 25% banktop) or, if present

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/bankcut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Step (> 45°)		<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle		<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after including preferential flow			Peached		<input checked="" type="checkbox"/>
			Embanked		
			Set-back embankment		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (Tick one box per bank)			ASSOCIATED FEATURES (Tick one box per feature)				
Left	Right	<u>NOTES</u>	E ≥ 25%	None	Present	E	<u>NOTES</u>
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	<u>NOTES</u>
Waterfalls) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cascades) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Step-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rapids) - white-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riffle-pool sequences	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Road(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boil(s) - upwellings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glide(s) - smooth, no eddies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Marginal dead-water - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have you completed your expenses for this week? (send to FRD for signature!)

CHANNEL DIMENSIONS: to be measured at one site on a straight uniform section, preferably across a riffle

LEFT BANK		RIGHT BANK
Banktop width (m)	14.20	
Banktop height (m)	2.3	
Banktop width (m)	Water width (m)	Banktop height (m)
Banktop height (m)	Water depth (m)	Banktop height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (IFE only)

N. ARTIFICIAL FEATURES (Use 1 to indicate total number, tick "none" where appropriate)

Noise ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Mouth of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other? State: (filling in) (fill in)
weeding ☐ enhancement ☒ h/c

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)		
Waterfalls > 5m high	Artificial open water <input type="checkbox"/>	Reef <input type="checkbox"/>	Other (state)
Braided/Vide channels	Natural open water <input type="checkbox"/>	Cut <input type="checkbox"/>	
Debris dams	Wetland meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Large debris	Fen <input type="checkbox"/>	Flood <input type="checkbox"/>	

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1 to indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: Nettles

R. BRIEF DESCRIPTION (Use printers and key words as appropriate)

Descriptive statement: wide, pink, birded river, with extensive alder, willow wetland.

Plants of note:

Major conservation features: Woodland

Major impacts:

Incidental observations (animals etc):

IF checked, state by whom ☒ Filtered ☒

S. DISEASED ALGAE (Tick one box)

None ☒ Present ☐ Extensive ☐ Other (disease tract) State

SEND COMPLETED FORM TO: GUY DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed files for processing. Labels supplied + stamps

Envelopes supplied! Post completed files for processing. Labels supplied as requested.

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary? Navigation?

B. FIELD SURVEY DETAILS

Reference network site number: 3793

Mid-section grid reference of network site (if different from designated location):

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM375772 River: Glych

Date: 11/1/1995 Time: 11:00 AM Surveyor name: J. L. H. (with initials)

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state:

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

Photographs: general character? No ☐ Yes ☐ (tick one box) Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other description

D. NUMBER OF RIFFLES, POOLS, AND POINT BARS (Use 1-10 then indicate total number)

Riffles: 4 Unvegetated point bars: 0

Pools: 2 Vegetated point bars: 0

IFE: (tick one box only)

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone) (J) Mark with a tick (✓) or a cross (✗)

Spot check 1 is an upstream and downstream of site (tick one box)

LEFT BANK (looking downstream)

Bank material (fine) ☒ NO, CO, GL, LA, PE, CL

Bank modification(s) ☒ NO, LA, PE, CL, LA, PE, CL

Bank feature(s) ☒ NO, LA, PE, CL, LA, PE, CL

Channel active ☒ NO, LA, PE, CL, LA, PE, CL

Channel substrate (fine) ☒ NO, LA, PE, CL, LA, PE, CL

Flow type (fine) ☒ NO, LA, PE, CL, LA, PE, CL

Channel modification(s) ☒ NO, LA, PE, CL, LA, PE, CL

Channel feature(s) ☒ NO, LA, PE, CL, LA, PE, CL

RIGHT BANK (looking downstream)

Bank material (fine) ☒ NO, CO, GL, LA, PE, CL

Bank modification(s) ☒ NO, LA, PE, CL, LA, PE, CL

Bank feature(s) ☒ NO, LA, PE, CL, LA, PE, CL

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from RL, CP, HR, SC, LP, NL, GP, BL, BL, BL

Land use within 5m of banktop (L) ☒ NO, CO, GL, LA, PE, CL

LEFT BANK-TOP (structure within 1m) ☒ NO, CO, GL, LA, PE, CL

LEFT BANK FACE (structure) ☒ NO, CO, GL, LA, PE, CL

RIGHT BANK FACE (structure) ☒ NO, CO, GL, LA, PE, CL

RIGHT BANK-TOP (structure within 1m) ☒ NO, CO, GL, LA, PE, CL

Land use within 5m of bank top (R) ☒ NO, CO, GL, LA, PE, CL

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (to 33% area) or J (to 100% area))

None (tick one box) Plant species (tick one box)

Emergent broad-leaved herbs ☒ NO, CO, GL, LA, PE, CL

Emergent narrow-leaved herbs ☒ NO, CO, GL, LA, PE, CL

Emergent sedge ☒ NO, CO, GL, LA, PE, CL

Emergent grass ☒ NO, CO, GL, LA, PE, CL

Free-floating ☒ NO, CO, GL, LA, PE, CL

Amphibious ☒ NO, CO, GL, LA, PE, CL

Submerged ☒ NO, CO, GL, LA, PE, CL

Submerged fine-leaved ☒ NO, CO, GL, LA, PE, CL

Flowering algae ☒ NO, CO, GL, LA, PE, CL

Use and "tick all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or J (to 100% banklength))

Broadleaf/deciduous woodland (BL) ☒ NO, CO, GL, LA, PE, CL

Coniferous woodland (CP) ☒ NO, CO, GL, LA, PE, CL

Moorland/heath (MH) ☒ NO, CO, GL, LA, PE, CL

Scrub (SC) ☒ NO, CO, GL, LA, PE, CL

Rough pasture (RP) ☒ NO, CO, GL, LA, PE, CL

I. BANK PROFILES (Use E (to 33% banklength) or J (to 100% banklength))

Natural/unmodified ☒ NO, CO, GL, LA, PE, CL

Vertical/undercut ☒ NO, CO, GL, LA, PE, CL

Vertical + toe ☒ NO, CO, GL, LA, PE, CL

Slope (>45°) ☒ NO, CO, GL, LA, PE, CL

Gentle ☒ NO, CO, GL, LA, PE, CL

Cemeteries ☒ NO, CO, GL, LA, PE, CL

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

Trees (Tick one box per bank)

None ☒ NO, CO, GL, LA, PE, CL

Isolated/scattered ☒ NO, CO, GL, LA, PE, CL

Regularly spaced, single ☒ NO, CO, GL, LA, PE, CL

Occasional clumps ☒ NO, CO, GL, LA, PE, CL

Semi-continuous ☒ NO, CO, GL, LA, PE, CL

Continuous ☒ NO, CO, GL, LA, PE, CL

Associated features (Tick one box per feature)

Shading of channel ☒ NO, CO, GL, LA, PE, CL

Overhanging boughs ☒ NO, CO, GL, LA, PE, CL

Exposed bankside roots ☒ NO, CO, GL, LA, PE, CL

Underwater tree roots ☒ NO, CO, GL, LA, PE, CL

Fallen trees ☒ NO, CO, GL, LA, PE, CL

Coarse woody debris ☒ NO, CO, GL, LA, PE, CL

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfall(s) - freefall ☒ NO, CO, GL, LA, PE, CL

Cascade(s) - chute ☒ NO, CO, GL, LA, PE, CL

Step-pool sequence ☒ NO, CO, GL, LA, PE, CL

Rapid(s) - whitewater ☒ NO, CO, GL, LA, PE, CL

Riffle-pool sequence ☒ NO, CO, GL, LA, PE, CL

Rund(s) - disturbed, rippled ☒ NO, CO, GL, LA, PE, CL

Boil(s) - upwellings ☒ NO, CO, GL, LA, PE, CL

Glide(s) - smooth, no eddies ☒ NO, CO, GL, LA, PE, CL

Channel features (Tick one box per feature)

Marginal deadwater - slack ☒ NO, CO, GL, LA, PE, CL

Exposed bedrock ☒ NO, CO, GL, LA, PE, CL

Exposed boulders ☒ NO, CO, GL, LA, PE, CL

Unvegetated mid-channel bars ☒ NO, CO, GL, LA, PE, CL

Vegetated mid-channel bars ☒ NO, CO, GL, LA, PE, CL

Mature island(s) ☒ NO, CO, GL, LA, PE, CL

Unvegetated side bars ☒ NO, CO, GL, LA, PE, CL

Vegetated side bars ☒ NO, CO, GL, LA, PE, CL

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK ☒ NO, CO, GL, LA, PE, CL

RIGHT BANK ☒ NO, CO, GL, LA, PE, CL

Banktop width (m) ☒ NO, CO, GL, LA, PE, CL

Banktop height (m) ☒ NO, CO, GL, LA, PE, CL

Banktop width (m) ☒ NO, CO, GL, LA, PE, CL

Banktop height (m) ☒ NO, CO, GL, LA, PE, CL

Banktop width (m) ☒ NO, CO, GL, LA, PE, CL

Banktop height (m) ☒ NO, CO, GL, LA, PE, CL

M. ARTIFICIAL FEATURES (Use 1-10 indicate total number, tick "none" where appropriate)

None ☒ NO, CO, GL, LA, PE, CL

Number of Culverts = ☒ NO, CO, GL, LA, PE, CL

Walls = ☒ NO, CO, GL, LA, PE, CL

Revetments = ☒ NO, CO, GL, LA, PE, CL

Outfalls = ☒ NO, CO, GL, LA, PE, CL

Floods = ☒ NO, CO, GL, LA, PE, CL

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

digging ☒ NO, CO, GL, LA, PE, CL

weeding ☒ NO, CO, GL, LA, PE, CL

mowing ☒ NO, CO, GL, LA, PE, CL

Other? State: ☒ NO, CO, GL, LA, PE, CL

O. FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL ☒ NO, CO, GL, LA, PE, CL

FLOODPLAIN (50m corridor) ☒ NO, CO, GL, LA, PE, CL

Waterfalls > 2m high ☒ NO, CO, GL, LA, PE, CL

Artificial open water ☒ NO, CO, GL, LA, PE, CL

Bedside/valley channels ☒ NO, CO, GL, LA, PE, CL

Natural open water ☒ NO, CO, GL, LA, PE, CL

Debris dams ☒ NO, CO, GL, LA, PE, CL

Water meadow ☒ NO, CO, GL, LA, PE, CL

Loose debris ☒ NO, CO, GL, LA, PE, CL

Fen ☒ NO, CO, GL, LA, PE, CL

P. CROOKED CHANNEL (Tick one box)

In 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1-10 indicate total number, tick "none" where appropriate)

Giant Hogweed ☒ NO, CO, GL, LA, PE, CL

Himalayan Balsam ☒ NO, CO, GL, LA, PE, CL

Japanese Knotweed ☒ NO, CO, GL, LA, PE, CL

Other? State: ☒ NO, CO, GL, LA, PE, CL

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Describe channel: ☒ NO, CO, GL, LA, PE, CL

Plants of note: ☒ NO, CO, GL, LA, PE, CL

Major conservation features: ☒ NO, CO, GL, LA, PE, CL

Major impacts: ☒ NO, CO, GL, LA, PE, CL

Incidental observations (animals etc): ☒ NO, CO, GL, LA, PE, CL

IFE: ☒ NO, CO, GL, LA, PE, CL

SW: ☒ NO, CO, GL, LA, PE, CL

None ☒ NO, CO, GL, LA, PE, CL

Present ☒ NO, CO, GL, LA, PE, CL

Extensive ☒ NO, CO, GL, LA, PE, CL

Other (detailed) ☒ NO, CO, GL, LA, PE, CL

State: ☒ NO, CO, GL, LA, PE, CL

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied on site

Have you completed your entries from this week? (Send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP

Page 2 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category _____

Solid geology code _____ Drift geology code _____ Planform category _____

Distance from source (km) _____ Significant tributary? _____ Navigation? _____

B. FIELD SURVEY DETAILS

Reference network site number: 3794

Mid-section grid reference of network site if different from designated location: _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: TM454 795 River: WOPH

Date: 8.1.6/1995 Time: 12.50 Surveyor name: WOPH

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: _____

Bed of river visible? No ☐ partially ☐ entirely ☐ stick one be _____

Photographs: general character? No ☐ Yes ☐ (tick one box) _____

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl ☐ + notes/other features

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use U then indicate total number)

Riffles 5 Unvegetated point bars _____

Pools 2 Vegetated point bars _____

IF E-m-d - See entry 100113

National Rivers Authority

DATE: 8.1.6/1995

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS

Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide zone) (Use U for unknown, N for none, S for some, F for full)

Spot check 1 is at: vegetation and debris	Spot check 2 is at: vegetation and debris	Spot check 3 is at: vegetation and debris	Spot check 4 is at: vegetation and debris	Spot check 5 is at: vegetation and debris	Spot check 6 is at: vegetation and debris	Spot check 7 is at: vegetation and debris	Spot check 8 is at: vegetation and debris	Spot check 9 is at: vegetation and debris	Spot check 10 is at: vegetation and debris
LEFT BANK	Back material (fine)	Back material (coarse)	Back material (medium)	Back material (large)	Back material (very large)	Back material (debris)	Back material (logs)	Back material (branches)	Back material (other)
RIGHT BANK	Back material (fine)	Back material (coarse)	Back material (medium)	Back material (large)	Back material (very large)	Back material (debris)	Back material (logs)	Back material (branches)	Back material (other)

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide zone)

Land use: choose one from RL, CL, HL, SL, PL, VL, WL, OL, NL, FL, SL, PL, VL, WL, OL, NL, FL

Vegetation structure: choose one from U, S, F, N, E, M, L, H, V, O, N, L, F, L

G. CHANNEL VEGETATION TYPES (tick in relevant boxes with one entry: use E (to 33% area) or F (percent))

Channel vegetation types	Channel vegetation types	Channel vegetation types	Channel vegetation types	Channel vegetation types	Channel vegetation types	Channel vegetation types	Channel vegetation types	Channel vegetation types	Channel vegetation types
None	Algae	Chara	Elodea	Hydrilla	Sparganium	Utricularia	Water hyacinth	Water lettuce	Water soldier

Use and 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F)

PLANTS - Use tick in boxes of species of plants, ferns, mosses + species if possible of plants, ferns, mosses + species if possible

NRA RIVER HABITAT SURVEY 1995: 500m SWEET-UP

Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (Use E (to 33% banklength) or F (percent))

Land use	Land use	Land use	Land use	Land use	Land use
Broadleaved woodland (BL)	Wetland (eg bog, marsh, fen) (W)	Open water (OW)	Improved/improved grass (IG)	Tilled land (TL)	Suburban/urban development (SU)

I. BANK PROFILES (Use E (to 33% banklength) or F (percent))

Bank profile	Bank profile	Bank profile	Bank profile	Bank profile	Bank profile
Natural/unmodified	Artificial/unmodified	Artificial/unmodified	Artificial/unmodified	Artificial/unmodified	Artificial/unmodified

J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

Trees	Associated features	Trees	Associated features	Trees	Associated features
None	Shading of channel	None	Shading of channel	None	Shading of channel

K. EXTENT OF CHANNEL FEATURES (tick one box per feature)

Channel features	Channel features	Channel features	Channel features	Channel features	Channel features
Waterfalls - free-fall	Waterfalls - chute	Waterfalls - rapids	Waterfalls - rapids	Waterfalls - rapids	Waterfalls - rapids

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES

Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

Channel dimensions	Channel dimensions	Channel dimensions	Channel dimensions	Channel dimensions	Channel dimensions
Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	Banktop height (m)	Banktop height (m)

M. ARTIFICIAL FEATURES (Use U for unknown, N for none, S for some, F for full)

Number of Culverts = _____ Weir = _____ Outfalls = _____

Number of Footbridges = _____ Part of site = _____

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box)

disturbance ☐ moving ☐ Other? ☐

waterlogging ☐ enhancement ☐

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

Channel: Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) _____

Floodplain: Braked/old channels ☐ Natural open water ☐ Cuts ☐

Ditches: Water meadow ☐ Marsh ☐

Leaky ditches ☐ Fen ☐ Flash ☐

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use U for unknown, N for none, S for some, F for full)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ☐

R. BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive statement: Stream running through Alder woodland and water meadow. Some meadows & some fast flow

Flora of note: Water meadow & woodlands

Major restoration features: Marsh Horner

Major impacts: _____

Incidental observations (animals etc): Marsh Horner

IF E-m-d - See entry 100113

SEND COMPLETED FORM TO: HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

Envelopes supplied! Post completed forms for processing - labels supplied separately

Have you completed your responses for this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995 Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Plankton category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 375

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Wyre

Date: 14/01/1995 Time: 14:00 Surveyor name: [signature]

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state: [blank]

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☒ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☒ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 7 Unvegetated point bars

Pools Vegetated point bars

National Rivers Authority

P45123.L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material ¹ = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. ¹ EA,BO,CO,GS,EA,JE,CL,CC,JP,WT,GA,JP,JP,JP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO,BA,JP,FC,JP,JP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) BA,NO,EC,JP,JP,JP,JP	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
CHANNEL										
Channel substrate ¹ BA,BO,CO,GS,EA,JE,CL,CC,JP	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
Flow type ¹ JP,CL,JP,JP,JP,JP,JP,JP,JP,JP,JP	JP	JP	JP	JP	JP	JP	JP	JP	JP	JP
Channel modification(s) BA,NO,CO,JP,JP,JP,JP	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
Channel feature(s) NO,BA,JP,JP,JP,JP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. ¹ EA,BO,CO,GS,EA,JE,CL,CC,JP,WT,GA,JP,JP,JP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO,BA,JP,FC,JP,JP	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) BA,NO,EC,JP,JP,JP,JP	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BA,CP,ML,SC,JP,WT,GA,JP,JP,JP										
LAND USE WITHIN 5m OF BANKTOP (L)	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
LEFT BANK-TOP (structure within 1m) BA,SC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
LEFT BANK FACE (structure) BA,SC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
RIGHT BANK FACE (structure) BA,SC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
RIGHT BANK-TOP (structure within 1m) BA,SC	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
LAND USE WITHIN 5m OF BANK TOP (R)	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or J (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										
Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)										

P45123.L

SITE NO. 375 NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

II LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Broadleaf/woodland (BL)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Coniferous plantation (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC) for L & R = 100m wide			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or J if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	J	J	Revetment		
Vertical + toe	J	J	Reinforced - whole bank	J	J
Steep (> 45°)	J	J	Reinforced - top only	J	J
Gentle	J	J	Reinforced - toe only	J	J
Composite			Artificial two-stage		
Use this space to draw profile if different from above, after ticking predetermined box			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present E
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present E		None	Present E
Waterfall(s) - free-fall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater - slack	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascades(s) - chute	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Step/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s) - whitewater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle/pool sequence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s) - disturbed, rippled	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s) - upwellings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s) - smooth, no eddies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bars	<input type="checkbox"/>	<input checked="" type="checkbox"/>

P45123.L

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	1	Banktop width (m)	5 m	RIGHT BANK
Banktop height (m)	1.2	Water width (m)	4 m	Banktop height (m)
Embankment height (m)	0.2	Water depth (m)	0.2	Embankment height (m)

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box) Slope (IFR only)

M ARTIFICIAL FEATURES (Use 1/11 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Outfalls = Feeds =

Footbridges = Roadbridges = Other =

Is water level controlled by weirs/dam downstream? No ☒ Part of site ☐ Most of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ moving ☐ Other ? State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>
Branded/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>
Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>
	Bog <input type="checkbox"/>
	Carr <input type="checkbox"/>
	Marsh <input type="checkbox"/>
	Flush <input type="checkbox"/>

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use E or J)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other ? State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Semi natural stream with gravel bed through steep-sided valley with extensive riparian woodland, recent felling & clearing.

Plants of note: Band of deciduous on right bank then conifers. Left bank

Major conservation features: deciduous, little no channel vegetation.

Major impacts:

Incidental observations (animals etc): dragonflies, buzzards

any future work get permission + note out for O. trichos.

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKEFIELD, WF2 6BB

P45123.L

NRA RIVER HABITAT SURVEY 1995: Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)

Solid geology code Drift geology code Planform category

Distance from source(km) Significant tributary ? Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 3796

Mid-section grid reference of network site if different from designated location:

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: River: Teifi

Date 1/16/1995 Time: 17:30 Surveyor name: MD

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Duplicate photographs: general character? No ☐ Yes ☒ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

☐ concave/bowl

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/10 then indicate total number)

Riffles Unvegetated point bars ①

Pools Vegetated point bars

National Rivers Authority

P412/2.1L

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

Spot check 1 is at: upstream end ☒ downstream end ☐ of site (tick one box)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Mat. = Material * = one entry only

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Mat. * EA, SA, EA, EA, EA, EA, EA, EA, EA, EA	EA	SA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, RS, RS, RS, RS, RS, RS, RS, RS, RS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) AK, NO, EC, SC, SC, SC, SC, SC, SC, SC	EC	NO	NO	SB	NO	SC	EC	SC	EC	EC
CHANNEL										
Channel substrate * NV, BE, SO, CO, GP, SA, SI, CL, AR	SA	SA	SA	GP	SA	SA	SA	SA	SA	SA
Flow type * IF, CH, W, W, W, W, W, W, W, W, W, W	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF
Channel modification(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mat. * EA, SA, EA, EA, EA, EA, EA, EA, EA, EA	EA	SA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO, RS, RS, RS, RS, RS, RS, RS, RS, RS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) AK, NO, EC, SC, SC, SC, SC, SC, SC, SC	EC	NO	NO	SB	NO	SC	EC	SC	EC	EC
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BE, CP, M, L, R, P, W, W, W, W, W, W	BE	CP	M	L	R	P	W	W	W	W
LAND USE WITHIN 5m OF BANKTOP (L)	BE	CP	M	L	R	P	W	W	W	W
LEFT BANK-TOP (structure within 1m) BAUS	BE	CP	M	L	R	P	W	W	W	W
LEFT BANK FACE (structure) BAUS	BE	CP	M	L	R	P	W	W	W	W
RIGHT BANK-TOP (structure within 1m) BAUS	BE	CP	M	L	R	P	W	W	W	W
RIGHT BANK FACE (structure) BAUS	BE	CP	M	L	R	P	W	W	W	W
LAND USE WITHIN 5m OF BANK TOP (R)	BE	CP	M	L	R	P	W	W	W	W
G CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (≥ 33% area) or F (present))										
NONE (tick as appropriate)										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or F) †

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H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Deciduous/united woodland (DL)			Wetland (eg bog, marsh, fen) (WL)	100%	100%
Cauliflorous plantations (CP)			Open water (OW)		
Moorland/heath (MH)			Improved/semi-improved grass (IG)		
Scrub (SC)			Tilled land (TL)		
Rough pasture (RP)			Suburban/urban development (SU)		

I BANK PROFILES (Use E (≥ 33% banklength) or F if present)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unmodified			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
Use this space to draw profile if it differs from above, after taking predetermined bias			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per bank)	Left	Right	ASSOCIATED FEATURES (Tick one box per feature)	None	Present	E
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	E ≥ 33%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K EXTENT OF CHANNEL FEATURES (Tick one box per feature)

	None	Present	E	None	Present	E
Waterfall(s) - free-fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater - slack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s) - chute	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) - whitewater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle-pool sequence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) - disturbed, rippled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bed(s) - gravel, silt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gravel(s) - smooth, no adfies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	1.5	Water width (m)	3.5
Embanked height (m)		Water depth (m)	0.5
		Embanked height (m)	

If threshold lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ (tick one box) Slope (10% only)

M ARTIFICIAL FEATURES (Use 1/10 then indicate total number, tick "none" where appropriate)

None ☒ Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

Is water level controlled by weir/dam downstream? No ☒ Part of site ☐ Most/whole of site ☐

N EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

dredging ☐ mowing ☐ Other 7 State

weed-cutting ☐ enhancement ☐

O FEATURES OF SPECIAL INTEREST (Tick appropriate box(es))

CHANNEL	FLOODPLAIN (50m corridor)
Waterfalls > 5m high	Artificial open water
Braided/side channels	Natural open water
Debris dams	Water meadow
Leafy debris	Fen
	Other (state)

P CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES (Use 1/10 then indicate total number, tick "none" where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other 7 State

R BRIEF DESCRIPTION (Use prompts and key words as appropriate)

Descriptive sentence: Narrowing river with sand bed (riples) through bog. Right bank has rough ground (scrub, not big, caused) left bank has bog + raised bog. (Note: Use appropriate words of the finest granules of sand bog)

Major conservation features: in Europe 10 - thick in place - part of a National Nature Reserve

Major impacts:

Incidental observations (animals etc): Heron, buzzard, peregrine, Red kite

S DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BN

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NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION:

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____

Solid geology code _____ Drift geology code _____ Platform category _____

Distance from source (km) _____ Significant tributary? ☒ Navigation? ☒

B. FIELD SURVEY DETAILS:

Reference network site number: 3797

Mid-section grid reference of network site (if different from designated location): _____

COMPLETE THE FOLLOWING FOR ALL SITES

Grid Reference: SN725687 River: MEURIG

Date: 20/6/1995 Time: 12:05 Surveyor name: GC MLY NO 12 R2

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, note: _____

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

Photographs: general character? No ☐ Yes ☒ (tick one box) Site 12 m

Site surveyed from: left bank ☒ right bank ☒ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ terraced valley floor

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☒ asymmetrical floodplain

☐ concave bowl ☐ + notes/mk diagram

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Use 1/11 then indicate total number)

Riffles 13 Unvegetated point bars 4

Pools 2 Vegetated point bars 1

IFE-m-1 = 500m (1-13)

National Rivers Authority

JAMES, R. and

framed

valley

valley

valley

NRA RIVER HABITAT SURVEY 1995: TEN SPOT CHECKS Page 2 of 4

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide zone)

Spot check 1 is at upstream end of site

LEFT BANK:

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO NO NO NO NO NO NO NO NO NO

Bank feature(s) ☒ VP NO NO NO EC EC PP NO NO PS

CHANNEL NOTE: Use 1/11 then indicate total number

Channel substrate (fine) CO CO CO CO CO CO CO CO CO CO

Flow type (fine) RP RP RP RP RP RP RP RP RP RP

Channel modification(s) ☒ NO NO NO NO NO NO NO NO NO NO

Channel feature(s) ☒ NO NO NO NO NO NO NO NO NO NO

RIGHT BANK:

Bank material (fine) EA EA EA EA EA EA EA EA EA EA

Bank modification(s) ☒ NO NO NO NO NO NO NO NO NO NO

Bank feature(s) ☒ EC PS NO NO NO NO NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide stretch)

Land use: choose one from SL, CR, 10K, 12, 13, 14, 15, 16, 17, 18

LAND USE WITHIN 5m OF BANKTOP (L) SC RP RP RP RP RP RP RP RP RP RP

LEFT BANK-TOP (structure within 1m) 5 5 5 5 5 5 5 5 5 5

LEFT BANK FACE (structure) 8 8 8 8 8 8 8 8 8 8

RIGHT BANK FACE (structure) 8 8 8 8 8 8 8 8 8 8

RIGHT BANK-TOP (structure within 1m) 5 5 5 5 5 5 5 5 5 5

LAND USE WITHIN 5m OF BANKTOP (R) RP RP RP RP RP RP RP RP RP RP

G. CHANNEL VEGETATION TYPES (fill in relevant boxes with one entry: use E (2-33% cover) or P (percent))

NONE (tick) ☒ Plant species (tick one)

Emergent broad-leaved ☒ Juniperus communis

Emergent narrow-leaved ☒ Salix caprea

Free-floating ☒ Chara sp.

Amphibious ☒ Salix sp.

Submerged ☒ Salix sp.

Submerged fine-leaved ☒ Salix sp.

Flameth, algae ☒ Salix sp.

Use and 'watch-out' columns for types not occurring in spot checks as well as overall assessment over 500m (use E or P)

Notes: Use 1/11 then indicate total number, tick 'none' where appropriate

Notes: Use 1/11 then indicate total number, tick 'none' where appropriate

NRA RIVER HABITAT SURVEY 1995: 500m SWEEP-UP Page 3 of 4

H. LAND USE WITHIN 20m OF BANKTOP (Use E (2-33% banklength) or P (percent))

LEFT BANK:

Broadleaved woodland (BL) ☒

Coniferous plantations (CP) ☒

Moorland/heath (MH) ☒

Scrub (SC) ☒

Rough pasture (RP) ☒

RIGHT BANK:

Wetland (eg bog, marsh, fen) (WZ) ☒

Open water (OW) ☒

Improved/heath-improved grass (IG) ☒

Suburban/urban development (SU) ☒

I. BANK PROFILES (Use E (2-33% banklength) or P (percent))

Natural/unmodified ☒ Artificial/unmodified ☒

Vertical/unmodified ☒ Reinforced ☒

Vertical + toe ☒ Reinforced - whole bank ☒

Steep (> 45°) ☒ Reinforced - top only ☒

Gentle ☒ Reinforced - toe only ☒

Composite ☒ Artificial toe+toe ☒

Use 1/11 then indicate total number, tick 'none' where appropriate

J. EXTENT OF TREES AND ASSOCIATED FEATURES (Tick one box per feature)

TREES (Tick one box per feature)

None ☒ Left ☒ Right ☒ Water ☒

Isolated/scattered ☒

Regularly spaced, single ☒

Occasional clumps ☒

Semi-continuous ☒

Continuous ☒

ASSOCIATED FEATURES (Tick one box per feature)

Shading of channel ☒

Overhanging boughs ☒

Exposed bankside roots ☒

Underwater tree roots ☒

Fallen trees ☒

Covered woody debris ☒

K. EXTENT OF CHANNEL FEATURES (Tick one box per feature)

Waterfalls ☒ Marginal deadwater - slack ☒

Cascades ☒ Exposed bedrock ☒

Step-pool sequence ☒ Exposed boulders ☒

Rapid(s) ☒ Unvegetated mid-channel bars ☒

Riffle-pool sequence ☒ Vegetated mid-channel bars ☒

Runs ☒ Mature islands ☒

Bank(s) ☒ Unvegetated side bars ☒

Glides ☒ Vegetated side bars ☒

Have you completed your responses from this week? (send to PWD for signature!)

NRA RIVER HABITAT SURVEY 1995: DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK:

Banktop width (m) 5.0

Banktop height (m) 0.75

Banktop height (m) 0.70

RIGHT BANK:

Banktop width (m) 5.0

Banktop height (m) 0.75

Banktop height (m) 0.70

If trambles lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box) Slope (IFE only) 31°

M. ARTIFICIAL FEATURES (Use 1/11 then indicate total number, tick 'none' where appropriate)

None ☒ Number of Culverts = _____ Weirs = _____ Outfalls = _____ Feeds = _____

Is water level controlled by weirs/dams downstream? No ☒ Part of site ☐ Most of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (Tick appropriate box)

drinking ☐ moving ☐ Other? State: _____

wooden ☐ embankment ☐

O. FEATURES OF SPECIAL INTEREST (Tick appropriate boxes)

CHANNEL:

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state): _____

Brick/stone structures ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Pea ☐ Flank ☐

P. CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES (Use 1/11 then indicate total number, tick 'none' where appropriate)

Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State: _____

R. BRIEF DESCRIPTION (Use printer and key words as appropriate)

Descriptive sentence: Small artificial meandering stream in hills numerous point bars

Plant of note: Juniperus communis

Major conservation features: Valley segment fenced and flood plain marsh

Major impacts: Valley segment fenced and flood plain marsh

Incidental observations (animals etc): _____

S. DISEASED ALDERS (Tick one box)

None ☒ Present ☐ Extensive ☐ Other diseased trees? State: _____

SEND COMPLETED FORMS TO: DAVID DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

Envelopes supplied! Post completed forms for forwarding - labels supplied separately

